

**A catalogue of the Richard Owen collection of  
Palaeontological and Zoological drawings in the  
British Museum (Natural History)**

Errata

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- .115 line 10 from the bottom ... 124 should be in italics  
.116 line 11 for Jewel read Jewell  
.136 Fol.101 following 1869 insert pp. 517-519  
.138 Fol.139 delete pl.1838  
.162 add Nissen, C 1953. Die illustrierten Vogelbücher ihre Geschichte und  
Bibliographie. Stuttgart: Hiersemann. 222 pp.  
.164 Erleben for Johann Christian Polycarp (1744-1777) read James (c.1830-1880)  
.170 Cervus tarandus 275. Folio number in wrong fount. Specimen recent.



Portrait in oils of Sir Richard Owen, K.C.B. now in the British Museum (Natural History) painted in 1881 by William Holman-Hunt, O.M.

# A catalogue of the Richard Owen collection of Palaeontological and Zoological drawings in the British Museum (Natural History)

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## Synopsis

A brief résumé of the life of Sir Richard Owen (1804-1892) is given with some historical and descriptive notes on the collection of drawings and the artists involved.

A systematic list of the 16 phyla and more than 500 genera represented precedes the main part of the text which is occupied by the abbreviated catalogue of 523 folios containing over 3500 drawings, many of which were used to illustrate Owen's published work. At least 110 drawings depict type material.

Three indexes are provided; the first lists the artists; the second is a comprehensive main index with the scientific names, some vernacular names and a few items entered under subject e.g. Caves; and the third brings together references to those drawings which remain partially or only tentatively identified.

## Introduction

### Résumé of Owen's life

Sir Richard Owen, K.C.B., F.R.S. (1804–1892), was one of a band of eminent British natural scientists of the nineteenth century, a contemporary of Darwin, Huxley and Wallace. His biography has been detailed fully in the two volumes on his life by his grandson, the Rev Richard Owen (1894), and only a brief outline of his career is given here. Born in Lancaster on 20 July 1804, the younger son of Richard Owen (1754–1809), he was apprenticed in 1820 to a surgeon and apothecary of Lancaster where he had access to the post-mortem examinations in the county jail and became deeply interested in the study of anatomy. He matriculated at Edinburgh University in 1824 and worked at St Bartholomew's Hospital in London during 1825. In 1827 he became an assistant curator at the Hunterian Museum of the Royal College of Surgeons of England situated at Lincoln's Inn Fields in London. He was appointed Professor of Comparative Anatomy at St Bartholomew's Hospital in 1834 and in the same year was elected a Fellow of the Royal Society. In 1835 he married Caroline, daughter of William Clift, Conservator at the Hunterian Museum. On Clift's retirement Owen became sole conservator of the Hunterian Collection, continuing to live in apartments on the premises. In 1836 he became the first Hunterian Professor of Comparative Anatomy and it was as Professor Owen that he was known throughout the greater part of his life.

His career can be divided into two phases; the years 1827–1856 at the Royal College of Surgeons, during which period he became the foremost British anatomist of his day, and the second part from 1856 to 1883 covering his years of service in the British Museum. Early in 1856 some difference of opinion with the governing body of the Royal College of Surgeons of England concerning his duties in the Hunterian Museum prompted him to accept the newly created post of Superintendent of the Natural History Departments in the British Museum. Finding himself rather uncomfortably sandwiched between the Director, Antonio Panizzi, who would brook no interference with his overall conduct of the Museum, and the Keepers of the Natural History Departments who continued to run their departments in their own way, Owen devoted himself to his researches in the field of palaeontology and zoology, also to organizing a campaign for moving the natural history specimens away from Bloomsbury. As A. E. Gunther (1975) points out, Owen was quite convinced that if natural history was to be free to develop as the other sciences were at this time it must cease to be subject to an institution devoted primarily to the arts, literature, books and manuscripts which was under the direction of a Principal Librarian whose lack of interest in natural history was scarcely concealed. Owen took the opportunity in a Presidential Address to the meeting of the British Association in the summer of 1858 at Leeds to outline the principles of a National Museum of Natural History from which he never departed. He was ultimately successful and saw the removal of the collections to the new building at South Kensington during the last few years of his service. Strangely, his forward-looking efforts to remove the collections to a new and spacious building were strongly opposed in the early stages both in Parliament and by a group of eminent scientists, including Darwin and Huxley. One of his most vociferous opponents was John Edward Gray, Keeper of Zoology, from 1840 to 1875, but a century later it is apparent how right Owen was. Gray during half a century of service in the Museum had done much to build up the Zoological collections which were overflowing the available space at Bloomsbury and it seems curious that he should oppose their transfer to a site where they could be housed in comparative spaciousness. Perhaps in his declining years his judgement was clouded by the thought of removing from the congenial environment where he had spent the whole of his adult life.

Regarding Owen's part in the great controversy which followed the publication in 1859 of Darwin's *Origin of species* his great-grandson, Dr F. D. Ommanney, writes (1966) 'One of the intellectual giants of the Victorian age, he had endeared himself to the Queen by ranging himself on the side of the angels in the controversy with the odious Mr Darwin which shook society to its foundations in the middle of the last century. I have always thought that this must have been a rather cynical attitude for this great man to have taken up because, as a zoologist and anatomist of the first rank, he must have realised that Darwin and his champion, Thomas Henry Huxley, were right. However, he was a lecturer to the royal family and it was his job to lecture on not too

natural history to rows of young princes and princesses.' In the manuscript of Owen's Annual Report to the Trustees for 1856 (7 January 1857), when outlining a projected exhibition in the Museum, he stated that it was 'To show how the mammalian type is progressively modified and raised from the form of fish or lizard to that of man - to illustrate the gradation by which one order merges into another.' This could be construed to support Dr Ommanney's opinion. Nevertheless, a different view is expressed by Ross (1972, chapter 7) in a discussion of Owen's beliefs and ideas on animal adaptation and modification, the background against which his convictions were formed, and his rejection of Darwin's theory of evolution.

His acquaintance with Queen Victoria may have prompted her to offer him, in 1851, a 'grace and favour' residence facing Kew Green formerly occupied by the King of Hanover. There was some delay before Owen could move into this house and it was during this period that he heard of another residence which had become vacant, Sheen Lodge<sup>1</sup> in Richmond Park. He was so attracted by its situation that he approached the Prince Consort to obtain from the Queen tenancy of this residence instead of the house at Kew. The request having been granted, he moved there in 1852 and remained in occupation until his death forty years later on 18 December 1892. The house abutted onto the wall of the park in the north-eastern corner, and was situated about one third of a mile to the east of East Sheen Gate. The original construction, which dated from about 1727, was built by Robert Walpole, who was at that time Ranger of the Park, for his huntsman; a building with the name 'Dog Kennel' is shown on the site in the Richardson plan of the park dated 1771. Around 1787 it was occupied by the Rt Hon William Adam and remained in the possession of the Adam family until Professor Owen took it over; Adam's Pond, immediately south of the site of the house, takes its name from this family. The lodge with its outbuildings stretched along the edge of the park for about 260 feet and some 2½ acres of land outside the park wall were purchased in 1839 to make a garden for the cottage. This land has been incorporated into Palewell Common, which borders the park wall at this point, and is now an overgrown wilderness.

Sir Richard was enchanted with the house and its surroundings, which are much the same today as they were a century ago, except that the tranquillity of this peaceful spot is now disturbed by the roar of jet airliners passing to and from London Airport a few miles to the west. Owen's daughter-in-law, Mrs Emily Owen, continued to reside in the house until her death in the autumn of 1920. Dr F. D. Ommanney lived there with his grandmother during his youth and in his book *The River Bank*, 1966, gives a graphic description of life in the house which was without any modern amenities, the long damp and cold corridors, no gas or electricity, no bathroom, and only oil lamps to dispel the gloom of winter evenings. On the night of 24 February 1944 two bombs from German aircraft fell close to the building which was badly damaged by blast and rendered uninhabitable. In October of the same year it was further damaged by fire thought to have been started by a cigarette dropped by an intruder. In ensuing years the ravages of weather made the structure so unsafe that it was decided to demolish the property; this was completed in September 1951. In March 1972 we could just trace the outline of the foundations under the turf but saplings have now been planted over the site and all traces will soon be obliterated.

It was to Sheen Lodge that Charles Davies Sherborn (1861-1942) was invited after Owen's death to sort and arrange the letters, manuscripts and drawings and to collaborate with the Rev Richard Owen in writing the biography. After the publication of the *Life of Richard Owen* in 1894 all this material was given to Sherborn, who distributed it to those likely to be interested, and it is to his generosity that the Museum is indebted for the possession of the Owen correspondence, now housed in 26 volumes, and the drawings.

### Notes on the drawings

This collection which consists mainly of drawings, with comparatively few engravings and photographs, was probably started by William Clift (1775-1849). He was the last pupil of John Hunter (1728-1793) by whom he was trained to preserve, dissect, observe and record in notes and

<sup>1</sup> On the Ordnance survey maps of this century the building is called Sheen Cottage but Owen always addressed his letters from Sheen Lodge and it is referred to as such in this paper.

drawings. He was appointed Conservator of the Hunterian collection in 1799, his son William Home Clift became his first Assistant Curator in 1823 and Richard Owen the second in 1827.

Had Clift the younger not died as the result of an accident in 1832 Owen's career might have been altogether different but in the event Clift's son was not replaced at the Museum, Owen was given more responsibility and a larger salary and after a long betrothal became Clift's son-in-law in 1835. When the Conservator retired in 1842 Richard Owen became his natural successor.

Although there are more than 3500 individual items on 523 folios in this collection of illustrations, covering a range of subjects from unicellular organisms to giant fossil reptiles and mammals, they by no means represent the entire output of work by Sir Richard Owen and his artists. Many of the drawings published by Owen in, for example, the *Transactions of the Zoological Society of London* are not to be found here, nor are they amongst the three small collections kept separately, viz. the original water colour drawings for the plates published in Owen's monograph on the Pearly Nautilus, a set of water colour drawings for the illustrations to Sir Everard Home's papers and notes on fossil Reptilia in various museums including 57 small sheets of ink and pencil sketches.

Enquiries at the Department of Prints and Drawings in the British Museum, the libraries of the Medical College, St Bartholomew's Hospital, the Royal College of Surgeons of England, the Royal Scottish Museum, Edinburgh, the Zoological Society of London and the Royal Society have brought to light no other collection. We have no knowledge of the disposal or destruction of the missing drawings.

The illustrations in the British Museum (Natural History) collection are as diverse in their form as they are in subject, being of all types; rough pencil or water colour sketches on scraps of paper or card; sketches in ink including those in letters from enquiring correspondents and superb full colour illustrations of the most delicate and detailed nature (e.g. *Limulus* dissections on Fol. 9 by one of the Scharf family and *Mytilus edulis* dissections on Fol. 12 by H. Scharf, 1842). Some were obviously commissioned for works to be published, amongst which a few were rejected (Fol. 92d), others were working drawings such as an anatomist would make in the course of his dissections, for his own use.

The drawings are varied not only in subject and technique but also in their dates which span two centuries, the earliest probably being of *Teredo* (Fol. 57) annotated 'figure d'un ver trouvé en radoubant le Triomphant. Envoyé par M. Begon le 28 Juillet 1681'. One of the latest is a photograph of a mounted solitaire skeleton (Fol. 513b) bearing a note dated 1879.

Through the generosity of Owen's executors and Dr C. D. Sherborn the collection was passed to the British Museum (Natural History) and this is recorded in the *History of the collections . . . 1904* : 44 in an entry, written by B. B. Woodward, then librarian. It stated 'the drawings have been mounted and arranged . . . but not yet catalogued'.

We do not know by whom they were arranged and mounted (it is possible that the work was done at the bindery of the British Museum, Bloomsbury), but whoever put them into their present sequence put a blue crayon number on the back of each individual sheet to indicate its position on one of the heavy backing-papers which are of a standard size, approximately 30" × 17½" (749 mm × 447 mm). A few unmounted drawings and engravings are included and have been given serial numbers. The folios are now housed in eight buckram and leather-covered boxes which were specially made for them in 1968, and are kept in the General Library, British Museum (Natural History).

Since their accession to the collections of the museum they have been examined by various workers including Dr C. D. Sherborn, Professor D. M. S. Watson (1886–1973), Miss Jessie Dobson, lately of the Hunterian Museum and Mr J. Mahoney of the Department of Geology and Geophysics, The University of Sydney, Australia. Annotations were added to the backing sheets by Dr Sherborn and Professor Watson also by someone unknown who added references under some of the originals of published drawings; some initialled references have also been added by one of us (J. M. I.) since 1971. It was not until 1969 that the co-author (F. C. S.), Zoological Librarian at the British Museum (Natural History) from 1935 to 1966, worked through the drawings and made the first complete preliminary list. In order to do so he first added a serial number to the top right-hand corner of each large sheet referred to here as a folio. Later

individual sheets on the folios were given lower-case letters, e.g. a, b, c. Although this was not the first time some sheets had been given numbers it was the first time the whole collection had been systematically numbered from beginning to end.

In 1976 an additional folded sheet (Fol. 523) was found in the Palaeontology Library and this was added to those in the boxes.

In 1971 we started compiling the catalogue as an occasional spare-time occupation. At that time neither of us appreciated the magnitude of the task and the volume of work involved in naming and cataloguing this collection.

Whilst some of the drawings were already identified completely, others had a vague label, e.g. an abbreviated word such as 'Poik.' standing for Poikilopleuron [*Poekilopleuron*] and many (about one third) had nothing whatsoever to indicate their identity. We have consulted many specialists (see Acknowledgements) and books in an endeavour to get accurate identifications, names in current usage and in establishing the location of published figures. For the interpretation of information received we are responsible.

### Notes on the artists

As will be seen from the index to artists (p. 164–165) the main contributor to the collection was Richard Owen himself, the earliest of his dated drawings being 1823, but William Clift, his son William Home Clift and professional artists are represented, e.g. Joseph Dinkel and the Scharf family of whom one member was George Scharf (1788–1860) father of Henry and George (1820–1895) who later became Sir George and Director of the National Portrait Gallery. (So far we have been unable to undertake the task of establishing which of the two people named George Scharf executed the various items listed under that name in the index but their dates have been added and may serve to remind readers that two people are involved.) Other famous names include J. Erxleben, Gideon Mantell (1790–1852), Sydney Parkinson (1745–1771), who accompanied Captain James Cook on his first world voyage (1768–1771), and Josef Wolf (1820–1899).

Many of the 147 people who are listed because they drew specimens were correspondents, including interested amateurs, who sent material and drawings to Richard Owen. Sometimes they were requesting information, but at other times they simply thought the famous man would be interested in a particular specimen.

There are entries in the index to artists under initial letters only. These have been taken from drawings but attempts to identify the full name have failed. Under C. there are probably some drawings of the Clifts, but this is conjecture. Where the initials or name of an artist have been put in square brackets in the text it is because either (1) the name or initials are not clearly decipherable or (2) comparison of the unsigned work with signed work leads us to believe firmly that it is identifiable with a particular artist, e.g. [R. Hills] Fol. 306. Although the folio is unsigned, R. Hills' technique is unmistakable – further evidence for its being his work lies in the shorthand notes which have been made about the drawings, in characteristic style.

### Notes on the catalogue entries

The original entries for the catalogue have been typed on to four-post binder slips (5" × 3") of which there are about 1360, occupying eight binder covers – one for each box of drawings.

Each entry is set out as follows and the figures at the top left indicate that this one refers to folio 56 for which this is the first sheet of a total of three.

- 56 (1)<sup>3</sup> MOLLUSCA – BIVALVIA – PHOLADOMYOIDA  
 (a, b) *Pholadomya* [*candida*]  
 Morphology of animal removed from shell  
 (a) with detail of mantle  
 Three water colour drawings  
 H. Scharf del. 1839  
 Annotated – Original drawings *Pholadomya* . . .

Manuscript description attached to sheet begins –  
Fig. 1.

[Mention is made of these drawings on p. 47 in  
Runnegar, B. Anatomy of *Pholadomya candida*  
(Bivalvia) and the origin of the Pholadomyidae.  
*Proc. malac. Soc. Lond.* **40**, 1972 : 45–58.]

56(2)<sup>3</sup> MOLLUSCA – GASTROPODA – MESOGASTROPODA

(c) *Calypeopsis* [*Calyptraea byronensis*]

Shell, dorsal and ventral views and six  
dissections

Eight water colour and pen & ink drawings

R. Owen del.

Published – *Trans. zool. Soc. Lond.* **1** 1835  
pl. 30, figs. 1–7.

Limitations of space have necessarily imposed a format with a high degree of abbreviation and the omission of some material which, however, will be available in the unabridged catalogue in the General Library of the British Museum (Natural History).

The printed entries for each drawing comprise generic and specific names, an abbreviated description of the part illustrated, the type of drawing, e.g. pencil, water colour, etc., name of artist, a reference to the work in which it was published, location of the specimen delineated, its status as type-material where appropriate and the abbreviation Annot. to indicate when there are annotations on the drawing: these quotations are shown in the unabridged catalogue.

#### Notes on the scientific names

- 1 The name (if any) written by Owen on the original drawing is placed at the beginning of the entry, without brackets.
- 2 If the name with which a drawing was published differs from (1) it is put into square brackets and the reference to the published work will be found below in the entry for that folio.
- 3 The names given to the specimen by Owen and his contemporaries are often now in synonymy or have fallen into disuse. As far as possible we have updated the nomenclature, and the modern version always appears as the last of the scientific names listed.

#### Examples

Fol. 210 (see p. 143) where the names appear as follows

*Chelydra serpentina*    [*Chelys fimbriata*]    [*Chelus fimbriatus*]

Labelled by Owen

Published as

Current name

Alternatively Fol. 274(c) (see p. 145):

[*Rhinolophus* [*Hipposideros*] *larvatus*]

This format indicates that the drawing was unlabelled by Owen. It was published as *Rhinolophus larvatus* but is currently regarded as *Hipposideros larvatus*. It was to save space and repetition that we decided upon the use of this format and we believe that workers will readily understand the nomenclatural changes indicated.

#### Notes on British Museum (Natural History) specimens

Specimens known or reported to be in these collections have an asterisk following the scientific name and the Museum registration numbers are given for many specimens. Most have been checked against specimens or in the register. Those in square brackets have not been confirmed.



*Example*

Fol. 158 (a) †[*Megalosaurus dunkeri* [*M. oweni*]]\*  
 etc.  
 [B.M.(N.H.) No. 2680]

The prefix B.M.(N.H.) is represented by \* in the abbreviated catalogue.

**Notes on the systematic list of taxa represented**

A guide to current names of the taxa represented in the drawings is given on pp. 116–128.

Taxa above the generic level are arranged systematically. Genera are listed alphabetically.

This list is not intended to be used as a table of classification for the whole of the animal kingdom but as a guide to the contents of this work. For those who are not familiar with zoology it provides a guide to groups into which particular genera are classified.

Useful levels of classification vary. In the recent Mammalia it has been felt necessary to provide the ordinal, generic and sometimes family names. In some other groups it has been considered best to give information at a different level.

We have taken advice from specialists over individual phyla and in the interests of brevity have not attempted to include unnecessary names merely for the sake of uniformity.

References to works used in arranging this list are to be found on pp. 160–163.

**Notes on the references**

The list of references, pp. 160–163, includes only those works consulted in connection with history, nomenclature and taxonomy. It does not include references concerned with the location of published Owen Collection drawings which are incorporated within the catalogue entries.

Some drawings have been published more than once. In such cases only the earliest publication of which we are aware is cited in the abbreviated catalogue. Later references will be found in the unabridged catalogue in the General Library of the British Museum (Natural History).

**Notes on the indexes**

We feel that the entries would have been too clumsy if the folio sub-division letters had been added, especially in those cases where long series of numbers are involved. It is hoped that readers will quickly find the item they seek by scanning the text under the relevant folio number.

*Index of artists (p. 164–165)*

Artists are listed by name or initials together with the numbers of the folios on which their works appear. No attempt has been made to separate entries for recent and fossil specimens in this index.

*General index (pp. 166–193)*

This contains all the generic and specific names which appear in the catalogue, whether or not they are currently valid, followed by the numbers of the folios on which they appear.

Those names which appear in the unabridged catalogue (available in the General Library of the British Museum (Natural History)) but which do NOT appear in this text are listed with their folio numbers in parentheses, e.g. MAMMALIA 124, (2, 3, 7, etc.).

Some vernacular names have been included in the index but we have not attempted to make up names neither have we sought out common names for such specimens as little known invertebrates nor for the majority of the fossils, very few of which have vernacular names applied to them.

Folio numbers in bold type in the general index refer to illustrations of fossils.

Page numbers are in italics.

**Acknowledgements**

We are greatly indebted to many colleagues and others outside the British Museum (Natural History) and it is with pleasure that we now acknowledge those without whose help the work could not have been accomplished. They are as follows:

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### Systematic list of taxa represented

† indicates fossil

#### Phylum PROTOZOA

##### Class PHYTOMASTIGOPHOREA

Incertae sedis Genus *Microglena* (*monadina*)

Genus *Distigma*

*Eudorina*

*Euglena*

*Eutreptia*

*Lagenella*

*Microglena* (*punctifera*)

*Phacus*

*Trachelomonas*

*Ulothrix*

##### Class CILIATEA

Genus *Ophryoglena*

#### Phylum COELENTERATA

##### Class HYDROZOA

Genus *Physalia*

##### Class ANTHOZOA

Genus *Isis* (Gorgonian, sea-fan)

*Tealia* (Sea-anemone)

#### Phylum CTENOPHORA (Comb jellies)

Genus *Beroe*

#### Phylum PLATYHELMINTHES (Flat worms)

##### Class TREMATODA

Genus *Hirudinella*

unidentified liver fluke

##### Class CESTODA

Genus *Anoploetaenia*

*Dasyurotaenia*

*Moniezia*

*Taenia*

unidentified (Cyclophyllidea)

## Phylum NEMERTINEA

Genus *Canininula*

## Phylum ASCHELMINTHES

## Class NEMATODA

Genus *Breinlia**Capillaria**Diectophyme**Dujardinascaris**Trichinella*

## Phylum BRACHIOPODA

## Class INARTICULATA

Genus *Discinisca*†*Glottidia*†*Lingula*†*Orbicula*†

## Class ARTICULATA

Incertae sedis Superfamily THECIDAEAE Genus *Lacazella*†Genus *Hemithiris*†*Magellania*†*Terebratella*†

## Phylum MOLLUSCA

## Class POLYPLACOPHORA

Genus *Chaetopleura*

## Class GASTROPODA (Snails, slugs, limpets, whelks, nudibranchs)

Genus *Buccinum**Calyptraea**Carinaria**Conus**Cypraea**Doris**Lambis**Pterotrachea**Terebellum*

## Class BIVALVIA

Genus *Clavagella* (*Bryopa*)*Hippurites**Kuphus**Musculus**Mytilus**Pecten**Pholadomya**Spondylus**Teredo**Uperotus*

## Class CEPHALOPODA

Incertae sedis Genus *Loligopsis*Genus *Architeuthis**Argonauta**Cenoceras*†*Cranchia**Enoploteuthis**Eutrephoceras*†*Harpoceras*†*Hildoceras*†*Lytoceras*†*Nautilus**Octopus**Octopus* (*Tritaxeopus*)

Genus *Ommastrephes*  
*Onychoteuthis*  
*Onykia*  
*Oppelia*†  
*Rossia*  
*Sepia*  
*Sepietta*  
*Sepiolo*  
*Sepioteuthis*  
*Spirula*  
*Tremoctopus*  
 unidentified (Ammonoidea†)  
 unidentified (Belemnitida†)

Phylum SIPUNCULA

Genus *Sipunculus*

Phylum ECHIURA

Genus unidentified (Echiuroinea)

Phylum ANNELIDA

Incertae sedis Genus *Helminthodes*†

Class POLYCHAETA

Genus *Arenicola*  
*Nephtys*  
*Nereis*  
 unidentified (Alciopidae)  
 unidentified (Nereidae)  
 unidentified (Phyllodocidae)

Class OLIGOCHAETA

Genus unidentified (Lumbricidae)

Phylum ARTHROPODA

Class TRILOBITA (Trilobites)

Genus *Chasmops*†

Class MEROSTOMATA

Genus *Belinurus*†  
*Limulus* (King crab, horse-shoe crab)

Class ARACHNIDA

Genus unidentified (Scorpiones)

Class CRUSTACEA

Subclass COPEPODA

Genus *Acanthochondria*  
*Chondracanthodes*  
*Chondracanthus*  
*Clavella*  
*Diocus*  
*Kroyeria*  
*Lepeophtheirus*  
*Lernaeocera*  
*Lernaeopoda*  
*Peniculus*  
*Pennella*

Subclass MALACOSTRACA

Genus ? *Acturus*  
*Calcinus*  
*Enoploclytia*†  
*Eualis*  
*Hemioniscus*  
*Heptacarpus*  
*Labidochirus*  
*Lebbeus*

Genus *Macrophthalmus*

*Metagrapsus*

*Petrolisthes*

*Phronima*

*Pseudosquilla*

*Sclerocrangon*

*Spirontocaris*

unidentified (Anomura)

unidentified (Parastacidae)

Class DIPLOPODA (Millipedes)

Genus *Julus*

*Polydesmus*

Class CHILOPODA (Centipedes)

Genus *Scutigera*

Class INSECTA

Genus *Borocera*

*Goliathus*

*Periplaneta*

unidentified (Lepidoptera)

Phylum PENTASTOMIDA (Tongue worms)

Genus *Linguatula*

Phylum CHAETOGNATHA (Arrow worms)

Genus unidentified

Phylum ECHINODERMATA

Class ECHINOIDEA

Genus *Heterocentrotus*

Class HOLOTHURIOIDEA (Sea cucumbers)

Genus unidentified (Cucumariidae)

Phylum CHORDATA

Subphylum UROCHORDATA (Tunicates)

Genus *Dagysa*

*Pegea*

*Salpa*

*Thetys*

Subphylum CEPHALOCHORDATA

Genus *Branchiostoma* (Lancelet)

Subphylum VERTEBRATA

Incertae sedis Genus *Oreodus*†

Class AGNATHA

Genus *Lampetra* (Lampreys)

Class ACANTHODII

Genus *Gyracanthus*†

Class CHONDRICHTHYES

Subclass ELASMOBRANCHII (Sharks)

Genus *Acrodus*†

*Alopias*

*Carcharhinus*

*Carcharodon*

*Cetorhinus*

*Lamna*

*Myliobatis*

*Odontaspis*

*Pristis*

*Ptychodus*†

*Sphyrna*

*Squalus*

## Subclass HOLOCEPHALI

- Genus *Callopristodus*†  
*Cochliodus*†  
*Deltodus*†  
*Deltoptychius*†  
*Edestus*†  
*Platyxystrodus*†  
*Tomodus*†

## Class OSTEICHTHYES (bony fish)

## Subclass ACTINOPTERYGII

- Genus *Acipenser*  
*Bagre*  
*Caturus*†  
*Cylindracanthus*†  
*Diodon*  
*Eocoelopoma*†  
*Esox*  
*Exocoetus*  
*Gadus*  
*Gobio*  
*Gymnocephalus*  
*Hippocampus*  
*Lepidotes*†  
*Lepisosteus*  
*Leuciscus*  
*Melanogrammus*  
*Merlangius*  
*Pleuronectes*  
*Prosauropsis*†  
*Salmo*  
*Sargus*  
*Solea*  
*Sphyraenodus*†  
*Stereodus*†  
*Xiphias*  
*Zeus*  
 unidentified (Carangidae)  
 unidentified (Perciformes)  
 unidentified (Scombroidei)

## Subclass CROSSOPTERYGII

- Genus *Dendrodus*†  
*Megalichthys*†  
*Rhizodopsis*†  
*Rhizodus*†

## Subclass DIPNOI

- Genus *Protopterus*  
*Sagenodus*†

## Class AMPHIBIA (Frogs, toads, newts, salamanders)

- Genus *Cryptobranchus*  
*Mastodonsaurus*†  
*Necturus*  
*Rana*  
*Rhytidosteus*†  
*Siren*  
*Triturus*  
 unidentified (Anura)  
 unidentified (Caudata)

## Class REPTILIA

Incertae sedis Genera *Cylindricodon*† & *Rysosteus*†  
 unidentified (Archosaurian†)

## Order COTYLOSAURIA

Genus *Leptopleuron*†

## Order TESTUDINATA (Tortoises, terrapins &amp; turtles)

Genus *Chelonia*

*Chelus*

*Chitra*

*Emys*

*Eosphargis*†

*Eretmochelys*

*Lytoloma*†

*Meiolania*†

*Palaeochelys*†

*Platychelys*†

*Tretosternon*†

unidentified (Chelonian†)

unidentified (Emydidae†)

## Order SQUAMATA (Lizards &amp; snakes)

Genus *Ceratophora*

*Chamaeleo*

*Coluber*

*Coniasaurus*†

*Dolichosaurus*†

*Iguana*

*Lacerta*

*Liodon*†

*Macellodus*†

*Megalania*†

*Moloch*

*Mosasaurus*†

*Phrynosoma*

*Python*

*Tupinambis*

*Varanus*

unidentified (Mosasauridae)

## Order RHYNCHOCEPHALIA

Genus *Rhynchosaurus*†

## Order THECODONTIA

Genus *Phytosaurus*†

unidentified†

## Order CROCODILIA (Crocodiles, gharials, alligators)

Genus *Aeolodon*†

*Alligator*

*Crocodylus*

*Crocodylus* (*Suchosaurus*)†

*Diplocynodon*†

*Gavialis*

*Goniopholis*†

*Oweniasuchus*†

*Saurodesmus*†

*Steneosaurus*†

*Teleosaurus*†

*Theriosuchus*†

unidentified

## Order PTEROSAURIA

Genus *Dimorphodon*†

*Pterodactylus*†

- Genus *Rhamphorhynchus*†  
 unidentified†
- Order SAURISCHIA
- Genus *Cardiodon*†  
*Cetiosaurus*†  
*Eustreptospondylus*†  
*Megalosaurus*†  
*Pelorosaurus*†  
 'Streptospondylus'†  
*Thecospondylus*†  
 unidentified†
- Order ORNITHISCHIA
- Genus *Hylaeosaurus*†  
*Iguanodon*†  
*Omosaurus*†  
*Protorosaurus*†  
*Saurechinodon*†  
*Scelidosaurus*†  
 unidentified†
- Order SAUROPTERYGIA
- Genus *Plesiosaurus*†  
*Pliosaurus*†  
*Polyptychodon*†  
*Thaumatosaurus*†  
 unidentified Plesiosaurians†  
 unidentified Pliosaurian†
- Order PLACODONTIA
- Genus *Cyamodus*†  
*Placodus*†
- Order ICHTHYOSAURIA
- Genus *Ichthyosaurus*†
- Order THERAPSIDA
- Genus *Dicynodon*†  
*Dicynodon (Ptychognathus)*†  
*Lystrosaurus*†  
*Mormorosaurus*†  
*Oudenodon*†  
*Stereognathus*†

[Note: *Haramiya*† & *Hypsiprymnopsis*† are included in the Mammalia.]

#### Class AVES

- Order ARCHAEOPTERYGIFORMES
- Genus *Archaeopteryx*†
- Order STRUTHIONIFORMES (Ostriches)
- Genus *Struthio*
- Order RHEIFORMES (Rheas)
- Genus *Rhea*
- Order CASUARIIFORMES (Cassowaries, emus)
- Genus *Casuarius*  
*Dromaius*  
*Dromornis*
- Order DINORNITHIFORMES (Moas)
- Genus *Anomalopteryx*†  
*Dinornis*†  
*Emeus*†  
*Euryapteryx*†  
*Megalapteryx*†  
 unidentified†



- Order APTERYGIFORMES (Kiwis)  
 Genus *Apteryx*
- Order AEPYORNITHIFORMES (Elephant bird)  
 Genus *Aepyornis*†
- Order SPHENISCIFORMES (Penguins)  
 Genus *Aptenodytes*
- Order GAVIFORMES (Divers, loons)  
 Genus *Gavia*
- Order PELECANIFORMES (Pelicans)  
 Genus *Pelecanus*
- Order ODONTOPTERYGIFORMES  
 Genus *Odontopteryx*†
- Order CICONIIFORMES (Storks)  
 Genus *Leptoptilos*  
*Lithornis*†
- Order ANSERIFORMES (Ducks, geese)  
 Genus *Anas*  
*Anser*  
*Cnemiornis*†
- Order FALCONIFORMES (Hawks, eagles, falcons, etc.)  
 Genus *Aquila* (inc. *Uroaëtus*)  
*Circus*  
*Falco*  
*Harpagornis*†  
*Neophron*  
*Polyharpagornis*†  
*Vultur*
- Order GALLIFORMES (Domestic & guinea fowl)  
 Genus *Gallus*  
*Numida*
- Order GRUIFORMES (Rails)  
 Genus *Aptornis*†  
*Porphyrio* (incl. *Notornis*)  
*Rallus*
- Order CHARADRIIFORMES (Gulls & waders)  
 Genus *Larus*  
*Numenius*
- Order COLUMBIFORMES (Pigeons, dodo & solitaires)  
 Genus *Columba*  
*Pezophaps*†  
*Raphus*†
- Order PSITTACIFORMES  
 Genus *Calyptorhynchus*  
 unidentified Parrot
- Order CAPRIMULGIFORMES  
 Genus *Batrachostomus*  
 unidentified Nightjar
- Order APODIFORMES (Swifts)  
 Genus *Apus*
- Order CORACIIFORMES (Kingfishers)  
 Genus *Halcyornis*†  
*Lacedo*  
 unidentified Kingfisher
- Order PICIFORMES (Woodpeckers)  
 Genus *Ramphastos*  
 unidentified Woodpecker
- Order PASSERIFORMES (Crows, broad bills & babblers)  
 Genus *Corvus*  
*Eurylaimus*

- Genus *Pomatorhinus*  
unidentified
- Order unidentified  
Genus unidentified
- Class MAMMALIA
  - Incertae sedis Genus *Leptolestes*†
  - Family Haramiyidae†
    - Genus *Haramiya*†
    - Hypsiprymnopsis*†
  - Order MONOTREMATA (Platypus, spiny anteaters)
    - Genus '*Echidna*'†
    - Ornithorhynchus*
    - Tachyglossus*
  - Order MULTITUBERCULATA
    - Genus *Bolodon*†
    - Cienacodon*†
    - Plagiaulax*†
  - Order TRICONODONTA
    - Genus *Amphilestes*†
    - Phascolotherium*†
    - Triconodon*†
    - Trioracodon*†
  - Order PANTOTHERIA
    - Genus *Amblotherium*†
    - Amphitherium*†
    - Dryolestidae† – genus unidentified
    - Kurtodon*†
    - Peramus*†
    - Peraspalax*†
    - Phascolestes*†
  - Order SYMMETRODONTA
    - Genus *Spalacotherium*†
  - Order MARSUPIALIA (Kangaroos, wallabies, pouched mice, koalas, opossums, wombats, thylacine-Tasmanian devil)
    - Genus *Bettongia*
    - Cercartetus*
    - Didelphidae – genus unidentified
    - Didelphis*
    - Diprotodon*†
    - Hypsiprymnodon*
    - Isoodon*
    - Lasiorhinus*
    - Macropodidae – genus unidentified
    - Macropus*
    - Macrotis*
    - Myrmecobius*
    - Nototherium*†
    - Palorchestes*†
    - Perameles*
    - Petaurus*
    - Phascogale*
    - Phascolarctos*
    - Phascolonus*†
    - Philander*
    - Potorous*
    - Procoptodon*†
    - Protamnodon*†
    - Sarcophilus*

Genus *Sceparnodon*†  
*Sthenurus*†  
*Thylacinus*  
*Thylacoleo*†  
*Trichosurus*  
 Vombatidae – genus unidentified  
*Vombatus*  
*Zygomaturus*†  
 unidentified

## Order DELTATHERIDIA

Genus *Hyaenodon*†  
*Solenodon*  
*Tenrec*

## Order INSECTIVORA (Desmans, shrews, moles &amp; tree-shrews)

Genus *Condylura*  
*Desmana*  
 Soricidae – genus unidentified  
*Talpa*  
*Tupaia*

## Order CHIROPTERA (Bats)

Genus *Cheiromeles*  
*Hipposideros*  
*Macroglossus*  
*Pteropus*  
*Rhinolophus*  
*Tadarida (Chaerephon)*

## Order PRIMATES (Lemurs, monkeys, apes, man)

Genus *Ateles*  
*Cercocebus*  
 Colobinae – genus unidentified  
*Daubentonia*  
*Gorilla*  
 Hominoidea – genus unidentified  
*Homo*  
*Macaca*  
*Pan*  
*Pongo*  
*Symphalangus*

## Order EDENTATA (Sloths &amp; armadillos)

Genus *Bradypus*  
*Chlamyphorus*  
*Choloepus*  
*Cyclopes*  
 Dasypodidae – genus unidentified  
*Dasypus*  
*Doedicurus*†  
*Euphractus*  
*Glyptodon*†  
*Hoplophorus*†  
*Megalonyx*†  
*Megatherium*†  
*Mylodon*†  
*Myrmecophaga*  
*Panochthus*†  
*Priodontes*  
*Scelidotherium*†  
*Toypeutes*

## Order LAGOMORPHA

Genus *Oryctolagus* (Rabbits)

## Order RODENTIA (Beavers, capybara, porcupines, squirrels, rats, etc.)

Genus *Bandicota**Callosciurus**Capromys**Castor*

Dasyproctidae – genus unidentified

*Dinomys**Gerbillus**Hydrochoerus**Hystrix**Jaculus**Lagidium**Marmota**Mastacomys**Rattus**Spermophilus**Trogotherium*†

unidentified

## Order CETACEA (Whales, dolphins)

Genus *Balaena*

Balaenidae – genus unidentified

*Balaenodon*†*Balaenoptera**Basilosaurus*†*Caperea**Delphinus**Grampus**Kogia**Megaptera**Monodon**Orcaella**Phocaena**Physeter**Platanista**Pseudorca**Tursiops**Ziphius*

unidentified

## Order CARNIVORA (Dogs, cats, otters, badgers, bears, etc.)

Genus *Canis**Crocuta**Enhydra**Felis**Herpestes**Hyaena**Meles**Mydaus**Panthera**Selenarctos**Smilodon*†*Suricata**Thalarchos**Ursus**Viverricula*

## Order PINNIPEDIA (Seals &amp; walrus)

Genus *Halichoerus**Hydrurga*

Genus *Odobenus*

*Phoca*

Order NOTOUNGULATA

Genus *Toxodon*†

Order TUBULIDENTATA (Aardvark)

Genus *Orycteropus*

Order PROBOSCIDEA (Mammoths, mastodons, elephants)

Genus *Anancus*†

*Deinotherium*†

Elephantidae – genus unidentified

*Elephas*

*Loxodonta*

*Mammut*† (American mastodon)

*Mammuthus*† (Mammoth)

'*Mastodon*'† – genus unidentified

*Stegodon*†

*Stegolophodon*†

*Tetralophodon*†

unidentified†

Order SIRENIA (Dugongs, sea cows, manatees)

Genus *Dugong*

*Eotheroides*†

*Halitherium*†

*Prorastomus*†

*Trichechus*

Order PERISSODACTYLA (Odd-toed ungulates: horses, rhinos, tapirs)

Genus *Aceratherium*†

*Ceratotherium*

*Coelodonta*†

*Dicerorhinus*

*Elasmotherium*†

*Equus*

*Hyracotherium*†

*Lophiodon*†

*Palaeotherium*†

*Rhinoceros*

*Tapirus*

Order ARTIODACTYLA (Even-toed ungulates: antelopes, cattle, deer, giraffes, hippos, llamas, pigs, sheep)

Genus *Alcelaphus*

*Alces*

*Anthracotherium*†

*Antilocapra*

*Bison*

*Bos*

*Bothriodon*†

Bovidae – genus unidentified

*Camelus*

*Cervus*

*Connochaetes*

*Dichodon*†

*Eucladoceros*†

*Eucienoceros*†

*Gazella*

*Giraffa*

*Hippohyus*†

*Hippopotamus*

*Hyotherium*†

Genus *Kobus*  
*Lama*  
*Megaloceros*†  
*Merycopotamus*†  
*Microstonyx*†  
*Moschus*  
*Muntiacus*  
*Oryx*  
*Ovibos*  
*Ovis*  
*Rangifer*  
*Sus*  
*Tetracerus*  
unidentified ruminant

## Abbreviated catalogue

## Abbreviations

A.M.S. = Australian Museum Sydney  
 Anat. = anatomy  
 Annot. = annotated  
 ant. = anterior  
 c. = coloured  
 d. = drawing  
 del. = delineated  
 diss. = dissected or dissection  
 dors. = dorsal view  
 engr. = engraving  
 f. = figure  
 Fig. = Figured (in publication)  
 Fol. = folio  
 G.S. = George Scharf (father 1788–1860; son 1820–1895)  
 H.S. = H. Scharf  
 i. = ink  
 l. = left  
 lat. = lateral view  
 l.c. = *loco citato*  
 m. = mandible

occ. = occlusal view  
 p. = pencil  
 P: = published  
 pal. = palatal view  
 pl. = plate  
 post. = posterior  
 r. = right  
 R.O. = Richard Owen  
 s. = sepia  
 sk. = skull  
 skel. = skeleton  
 unident. = unidentified  
 vent. = ventral view  
 w.d. = watercolour drawing  
 W.C. = William Clift  
 † = fossil  
 \* = B.M.(N.H.) specimen  
 ♂ = male  
 ♀ = female

Sequence of scientific names see p. 114.

## Catalogue

## Folio

- 1 *Terebratula* [*Magellania*] *flavescens* 3 diss.: proof engr. P: Owen, R. On the anatomy of the *Terebratula* in Davidson, T. *Brit. Fossil Brachiopoda 1 Palaeontogr. Soc. (Monogr.)* 1851–54 a pl.2 f.1,2 b pl.1 f.1–4 *Lingula anatina* diss.: 11 f. on proof engr. [R.O. & H.S. del.] P: l.c. a pl.2 f.1,2 b pl.1 f.5–7. For orig. c.d. see Fols 10 & 11
- 2 a † *Balaenodon* tooth, part of transverse section mag. × 8: 1 varnished w.d. S. W. Leonard del. Annot. b † *Elephas indicus* [*maximus*] 5th lower molar, lat. & occ.: 3 pencil rubbings with w. wash P. O. Hutchinson del. Annot.
- 3 a, f, h † *Castor* [*Trogontherium cuvieri*\*] femur fragment, distal end: 3 views, 3 s.d. Annot. \*No. 40979 b † [*Nototherium*] lower jaw, l. lat.: 1 photo. c † [*Mastodon latidens*\*] teeth, occ.: 2 photos \*No. 40678. *Homo sapiens* from Australia d lower jaw, occ. e upper jaw, pal. g sk. & m. l. lat.: 3 photos. Annot.
- 4 † [Plesiosaurian] skel. fragments including teeth: 7 p. & wash d. Annot.
- 5 Block makers pulls of Fol. 6
- 6 *Sepia palmata* [*S. apama*] whole animal & shell a vent. b dors.: 4 w.d. P: *Trans. zool. Soc. Lond.* 11 1881 pl.24,25. Annot. HOLOTYPE of *S. palmata*
- 7 a *Ornithorhynchus anatinus* ♂ organs, diss.: 1 wash d. ? Original for figure in Jones, T. Rymer *Outline of organization of animal kingdom* Lond. 1841 f.325 b [*Terebratula* [*Magellania*] *flavescens*] alimentary canal: 1 engr. Annot. P: Owen, R. On the anatomy . . . *Terebratula* in Davidson, T. *Brit. fossil Brachiopoda 1 Palaeontogr. Soc. (Monogr.)* 1851–54 pl.1 f.4. For orig. c.d. see Fol. 10 j c *Echidna hystrix* [*Tachyglossus aculeatus*] ♂ organs diss.: 1 wash d. d [*Lacazella* sp.] late larval stage: 1 engr. Annot. e, g *Dromiceius* [*Dromaius*] embryo, vent. & dors.: 4 p.d. R.O. del. f [? *Lacazella* sp.] ovary: 1 engr. H. Lacaze-Duthiers del. P: *Annl. Sci. nat. Zool.* 15 1861 pl.3f.8 h *Lingula anatina* alimentary canal, dors.: 1 engr. P: l.c. for 7b pl.1 f.6
- 8 a [*Terebratula* [*Magellania*] *flavescens*] 1 engr? Scharf. For orig. c.d. see Fol. 10 c & 11 e b [*Orbicula* [*Discinisca*] *lamellosa*] soft parts diss.: 4 engr. Annot. P: *Trans. zool. Soc. Lond.* 1 1835 pl.23 f.5–8 c *Orbicula* [*Lingula audebardii*] whole animal: 1 engr. P: l.c. f.14 d [*Magellania flavescens*] diss.: 1 engr. For original c.d. see Fol. 10 b e [*Orbicula lamellosa*] superior mantle-lobe, injected, magnified part: 1 engr. Annot. P: l.c. pl.23 f.11 f [*Lingula anatina*] diss. of muscles: 1 engr.

## Folio

- Annot. **g** [*Lingula anatina*] diss. & embryos: 1 engr. (4 figs) Annot. **h** [*Orbicula lamellosa*] branchial tentacles and edge of mantle, magnified part: 2 engr. P: *l.c.* pl.23 f.12,13 [*Lacazella mediterranea*] **i** specimen open, post. **j** stylized lat.: 2 engr. [H. Lacaze-Duthiers del.] P: *Annl. Sci. nat. Zool.* 15 1861 pl.1 f.3,7
- 9 *Limulus* [*polyphemus*] diss. to show **a** nervous system, dors. **b** stomach **c** compound eye **d** alimentary canal & nervous system **e** nervous system: 5 w.d. [H.] Scharf del. pl.3; in colour Annot. See also Fol. 72 **b,d**, **e** P: Owen, R. *Anatomy of the king crab* . . . London, 1873 pl.2 f.2,1.
- 10 **a-j** *Terebratula* [*Magellania*] *flavescens* series of diss.: 10 c.d. P: *Trans. zool. Soc. Lond.* 1 1835 pl.23 f.5-8
- 11 **a-g** *Lingula anatina* anatomy **a,g** alimentary canal, muscles & liver **b** reproductive organs **c** embryo development, 8 views **d** muscles & nerves **e** nerves of mantle **f** circulatory system: 7 c.d. Annot. P: Owen, R. *Anat. of Terebratula in Davidson, T. Brit. fossil Brachiopoda 1 Palaeontogr. Soc. (Monogr.)* 1851-54 pl.2 & 3. See also Fol. 1 **a,b** & Fol. 7 **h**
- 12 **a-c**, **e-h** *Mytilus edulis* **d** *Mytilus* nervous system, stages in diss.: 9 c.d. H.S. del. **e** Fig: *Encyclopaedia Britannica* Edinburgh 8th ed 1853-60 15 p.345 f.18
- 13 **a** Sturgeon [?] *Acipenser*, *Gadus morhua*, *Melanogrammus aeglefinus*, *Xiphias gladius*, *Pleuronectes platessa*, *Solea solea*, *Gobio gobio*, *Leuciscus leuciscus*,] saccular otoliths, 2 views of each: 28 w.d. Annot. **b** [Genera unident.] stapes: 25 w.d. Annot. **c** *Ornithorhynchus*, *Talpa*, *Homo*, *Marmota*, Cetacea [unident.], *Panthera tigris*, *Odobenus*, *Equus*, *Sus*, *Anser*, Snake [unident.]: stapes of all the above: 12 i. outline **d**. Annot. ? prelim. **d**. for *Phil. Trans. R. Soc.* 95 1805 pl.4 **d** [Vertebrata, genera unident.]: stapes & otoliths: 5 w.d. Annot. **e** Perciformes [unident.] **lower row** Carangidae **upper row** [Vertebrates unident.] otoliths of left ear: 13 w.d. Annot. **f** *Homo sapiens* ear, diss. to show internal structure: 2 w.d.
- 14 [*Homo sapiens*] **a** cavity of tympanum - 6th month **b** Labyrinth, cochlea & semicircular canals of 4th month foetus: 2 w.d.
- 15 **a-g** [*Homo sapiens*] sk. & auditory organs, diss.: 10 w.d. **f** W. W. Cooper del. Annot.
- 16 **a** Museum Geologicum Pragense, front view: 1 photo. **b** Aston Aquarium, nr Birmingham, interior: 1 photo. Annot.
- 17 Australian Museum, Sydney, N.S.W. **a** distant front view **b** side view **c** close up of front view: 3 photos by G. Bennett. Annot.
- 18 American Museum of Nat. Hist. **a** eastern front, general view and plan of principal floor: 1 s. engr. **b** layout plan: 1 photo. Annot.
- 19 American Museum of Nat. Hist. **a** plan of transverse section **b** plan of longitudinal section: 2 photos. Annot.
- 20 **a** *Rossia palpebroso* ovary & oviduct, diss.: 1 p.i. & wash d. [R.O. del.] P: *Trans. zool. Soc. Lond.* 2 1838 p.21 f.18 **b** [Fish] circulatory system: 1 c.d. Annot. **c** [?] *Oryctolagus*] ?ear, circulatory system of part: 1 w.d. cf. Palmer, J. F. *The works of John Hunter* Lond. 1837, Atlas pl.20 **d1** Tape worm: **d2** [Liver fluke] circulatory systems: 2 w.d. Annot. **e** *Sus scrofa* diseased & healthy ovaries: 5 w.d. Annot. **f** [Class unident.] circulatory system of kidney, liver, testicle & salivary glands: 4 w.d. Annot. **g** [?] *Rodent unident.*]♂ reproductive system, diss.: 1 w.d. **h** [?] *Oryctolagus*] heart, l. lat.: 1 w.d. **i** [?] *Aves*] ? syrxinx: 1 w.d. **j** [?] *Aves*] valves of aorta: 1 w.d. Annot.
- 21 **a** *Homo sapiens* auditory nerve, diss. **b** [*Bos*] auditory nerve of calf, diss.: 2 wash d. W.C. del. Annot. **c** Swordfish [Percomorpha - Scombroidei: genus unident.] eye, longitudinal section: 2 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 1 f.216, p.332 **d** [Class unident.] ? ganglion, blood vessel & nerves or lymphatics or gut & associated vessels 1 p.d. **e** [?] *Amphibia*] heart, whole & diss.: 1 w.d. 1 p.d. Annot. **f** [?] *Bivalvia*] ?mesentery: 1 p.d. Freudenberg del. Annot. **g** [*Ornithorhynchus paradoxus* [*auatinus*]] **g6** abdomen, intestines in situ: **g7,8** stomach & spleen diss. out: **g9** heart & spleen diss. out: **g10** urinogenital system diss. out: **g11** urinogenital system in situ: **g12** bladder 7 p.d. R.O. del. Annot P: *Trans. zool. Soc. Lond.* 1 1835 pl.33 **h** [*Homo*] Cowpers gland in situ: 1 p. sketch. Annot.
- 22 **a** [?] *Mammalia*] ? limb diss., showing muscles, nerves & blood vessels: 1 crayon & w.d. H.S. del. **b** [?] *Mammalia*] brain, sagittal section: 1 w.d.
- 23 Flint, 'supposed fossil bull' **a,b** 2 wash d. Annot.
- 24 *Homo sapiens* in a semi-handstand position showing osteology, above an outline **d**. of a crocodile: p.d. H. V. Carter del.
- 25 **a** † *Rytidosteus* [*Rhytidosteus*] *capensis*\* pal. tooth, transverse section: 1 p.i. & w.d. A. H. Searle del. Annot. P: *Q. J. Geol. Soc. Lond.* 40 1884 pl.17 f.2 from HOLOTYPE \*No. R. 455 **b** † [*Mastodonsaurus*] tooth, part of transverse section, magnified: 1 p.d. Annot. **c** † *Labyrinthodon pachygnathus*



## Folio

- [*Mastodonsaurus lanarius*] tooth, part of transverse section magnified: orig. i. sketch & engraving P: *Trans. geol. Soc. Lond.* 6 1842 p.511 f.2
- 26 a † *Labyrinthodon* [*Mastodonsaurus*] *scutulatus* vertebra: 3 views 3 p. sketches G.S. del. Annot. P: *l.c.* pl.46 f.3,4 b † *Labyrinthodon* [*Mastodonsaurus*] episternal: 1 s. & p.d. [G.S. del.] Annot. P: *l.c.* pl.45 f.9,10 c † *Labyrinthodon dolicognathus* [*Mastodonsaurus pachygnathus*] maxillary fragment & teeth, lat. & occ.: 2 s.d. G.S. del. Annot. d † *Labyrinthodon* [*Mastodonsaurus*] *pachygnathus* vertebral fragment, 3 views: 1 s.d. & 2 p. outlines P: *l.c.* pl.45 f.2,4,1
- 27 † *Labyrinthodon* [*Mastodonsaurus*] *pachygnathus* a upper jaw & ant. frontal fragments: P: *l.c.* pl.43 f.9,11 g cranial bone fragments in slab a,g 6 d. P: *l.c.* pl.46 f.6,7 b † [*Mastodonsaurus*] tooth, occ.: 1 d. Annot. c † *Labyrinthodon* [*Mastodonsaurus*] *ventricosus* tooth, lat.: 1 d. d † [Saurian] incomplete tooth, lat.: 1 d. e,f † *Labyrinthodon* [*Mastodonsaurus*] *lanarius* tooth, 2 lat. Annot. All w.d.
- 28 a *Menopoma* [*Cryptobranchus*] circulatory & respiratory system of adult: 1 w.d. b *Menobranchus* [*Necturus*] sk. dors.: 1 i. sketch. Annot. c [Caudata] vent. diss. to display viscera: 1 w.d. d [Siren *lacertina*] diss. to show heart in situ: 1 wash d. T. Rymer Jones del. P: *Trans. zool. Soc. Lond.* 1 1835 pl.31 f.1 e *Triton* [*Triturus*] larva, circulatory & respiratory system diss. out: 1 w.d. f *Menopoma* [*Cryptobranchus alleghaniensis*] articulated skel. l. lat.: 1 p.d. [? G.Owen del.] P: Owen, R. . . . *Anat. of Vertebrates* Lond. 1866 1 f.43 p.48 g Frog larva [? genus] branchial arches: 1 c. diagram
- 29 a,b [Anuran] vent. diss. to show viscera b ovaries full of eggs: 2 w.d. c,d American Tree Frog [? genus] dors. & vent.: 2 i. & w.d. Capt Chapman del. Annot.
- 30 a–e [Anuran] larval development, l. lat. f 2 vent. diss. to show gut a–f 7 w.d. Annot.
- 31 a *Exocoetus volitans* tongue, oesophagus, gut & superbranchial organ: 2 i. sketches. Annot. b *Diodon* whole animal showing diss. of brain: 1 p. sketch. Annot. c *Pristipoma* [*Gymnocephalus cernua*] cranium, l. lat.: 1 p.d. West del. P: Owen, R. . . . *Archetype & homologies of vertebrate skel.* Lond. 1848 pl.7 f.2 d *Lamprey* [*Lampetra*] l. lat.: 1 p. sketch e [*Esox lucius*] hyoid skel.: 1 i. & c.d. Annot. f *Amphioxus* [*Branchiostoma*] whole animal, l. lat.: 1 c.d. Annot. *Bagrus* [*Bagre*] g sk. post. region, dors. i sk. sagittal section g,i 2 pen & w.d. i R.O. del. P: *l.c.* pl.1 f.4,3 h Dory [*Zeus faber*] myobranchial skel. showing elements: 1 c.d. j *Xiphias gladius* syncranium, atlas & axis, sagittal section, l. lat.: 1 p.i. & w.d. P: *l.c.* pl.1 f.5. c,g,i,j T. West lith.
- 32 a † *Ganolodus* [*Rhizodopsis*] *craggessii*\* jaw fragments with teeth \*No. P.4794: 2 s.d. Annot. P: *Trans. odont. Soc. Gr. Br.* 5 1867 p.356 f.2 b † *Edestes* [*Edestus*] symphyasal tooth-whorl: 1 w.d. Annot. c † *Palaedosteus* [*Lepisosteus*] vertebra, 4 views: 4 w.d. Annot. d † [*Saurostomus* [*Prosauropsis*] *exocuuus*] jaw fragment with teeth, lat.: 1 w.d. Annot. e † [*Lepidotus* [*Lepidotes*] *elvensis*]\* head & trunk, l. lat.: 1 p.d. E. Blorles del. Annot. \*No. 18992
- 33 a † *Carcharodon* [*megalodon*] tooth, lat.: 1 i. outline d. Annot. b † *Labyrinthodon* [*Mastodonsaurus*] tooth, lat. & occ.: 2 w.d. M.M. del. Annot. c,d † *Carcharodon* [*megalodon*] c tooth, lat.: Annot. d tooth, incomplete, lat.: Ross del. Annot. c,d 2 w.d. e [*Hippocampus*] dried spec. l. lat. Photo. Annot. f † *Rhizodus* jaw fragment with teeth: p. sketch. Annot.
- 34 † [*Caturus furcatus*]\* a skel. in matrix, r. lat.: 1 p.d. \*No. 37024 d head, l. lat.: 1 p.d. b † [*Enoploclytia leachii*] 2 incomplete fingers of claw, lat. in matrix: 1 w.d. Annot. c † *Cochliodus* [*contortus*]\* † *Tomodus* [*convexus*] [*Cochliodus contortus*]\* m. occ.: 2 p.d. P: *Geol. Mag.* 4 1867 pl.3 f.1, pl.4 f.2. Annot. Casts \*Nos P5850 & P5849 e † *Xystrodus* [*Platyxystrodus*], † *Deltoptychius*, † *Deltodus sublaevis* tooth plates, 5 views: 5 p.d. b W. H. Hatcher del.
- 35 a † *Parabatrachus colei* [*Megalichthys hibberti*]\* r. maxilla with teeth & scale in matrix, l. lat.: 1 w.d. J. Dinkel del. Fig. *Q. Jl geol. Soc. Lond.* 9 1853 p.2 f.1 HOLOTYPE of *Parabatrachus colei* Owen \*No. 29673 b † [*Sphyaenodus* or *Eocoelopoma*] incomplete sk. including part of m. with teeth in matrix: 1 w.d. J. Dinkel del. Annot.
- 36 † [*Stereodus melitensis*] part of cranium & 10 vertebrae in slab, l. lat.: 1 w.d. M. Bellanti del. Annot.
- 37 a [*Lamna nasus*] whole animal, l. lat.: 1 wash d. Annot. b *Squalus* [*Cetorhinus*] *maximus* stomach & intestine, diss.: 1 wash d. [? W.C. del.] prelim. d. for *Phil. Trans. R. Soc.* 99 1809 pl.8 f.1
- 38 [*Squalus acanthias*] vent. diss. to show ♀ viscera: 1 wash d.
- 39 [*Squalus acanthias*] vent. diss. to show ♂ viscera: 1 wash d.
- 40 a–c *Squalus* [*Cetorhinus*] *maximus* gastric epithelium: 3 wash d. W.C. del. Annot.
- 41 *Squalus* [*Cetorhinus*] *maximus* a cerebellum diss. out, lat.: 1 wash d. Annot. b *Squalus* stomach & intestine, longitudinal diss.: 1 wash d. Annot. c *Squalus* [*Cetorhinus*] *maximus* notochord & vertebral centrae, longitudinal section: 1 w.d. R. Mylne del. Annot.

## Folio

- 42 a *Squalus* [*Cetorhinus*] *maximus* ♂ stranded on beach, l. latero-vent.: 1 w.d. b engraving of same
- 43 *Squalus alopecias* [*Alopias vulpinus*] l. lat.: 1 outline i. & wash d. W.C. del. Annot.
- 44 a *Selachia* [*Cetorhinus maximus*] oesophagus, small section: 1 wash d. b [*Sphyrna zygaena*] diss. of olfactory organ & optic nerve, vent.: 1 wash d. c *Carcharhins* [*Carcharhinus*] teeth 1,6,10,11,12 *Lamna* teeth 1,6,10: 14 wash d. Annot. d [*Myliobatid ray*] teeth, 2 views: 2 p.d.
- 45 a *Merlangus vulgaris* [*Merlangius merlangus*] head of 3 eyed specimen with median eye: 1 p.d. W.C. Maclean del. Annot. b,c *Salmo salar* head of deformed salmon: 1 photo. 1 outline sketch. Annot.
- 46 *Lepidosiren* [*Protopterus annectens*] a-c head musculature d alimentary canal e brain & inner ear g scale h dentition & olfactory organs: 8 p. & wash d. d,h H.S. del. e R.O. del. P: *Trans. Linn. Soc. Lond.* 18 1841 pl.24 f.4-6; pl.25 f.2; pl.27 f.1-4 f1 *Menopoma* [*Cryptobranchus alleghaniensis*] f2 *Menobranchus* [*Necturus*] brains, diss.: 2 p.d. P: *l.c.* pl.27 f.5,6
- 47 *Lepidosiren* [*Protopterus annectens*] a & c brachial & pharyngeal regions a dors. c vent. with heart b digestive, urinary & reproductive organs: 3 w.d. H.S. del. P: *l.c.* pl.26 f.1,2; pl.27 f.7
- 48 *Lepidosiren* [*Protopterus annectens*] a notochord, ribs & muscles b heart & lungs in situ c viscera in situ: 3 w.d. H.S. del. P: *l.c.* pl.24 f.2,3; pl.25 f.3; pl.25 f.1.
- 49 *Lepidosiren* [*Protopterus annectens*] a skel. r. lat. b sk. dors. c whole animal, lat. dors. & transverse section d superficial body musculature, l. lat.: 4 w.d. & 2 i.d. H.S. del. P: *l.c.* pl.23 f.4,5,1,2; pl.24 f.1
- 50 [?] *Hippurites*] a l. valve b ? section through r. valve c r. valve: 3 p.d. Annot. d,e [?] *Buccinum undatum*] 3 diss. ant.: 3 wash d. f [?] *Carinaria* or *Pterotrachea*] animal swimming, lat.: 1 c.d.
- 51 a *Chiton spiniferus* [*Chaetopleura spinulosa*] vent. & dors.: 2 w.d. [?Cooper del.] Annot. b *Doris* dors. diss.: 1 w.d. c [Genus unident. possibly † *Spondylus*] 1 w.d. W.C. del. Annot. d [*Pecten maximus*] l. valve with incrustation [*Musculus marmoratus*] 6 views: lower [?] *Chaetognatha*] lanceolate specimen diss. magnified & nat. size [11.5 mm:] 2 w. & p.d.
- 52 a-e *Strombus* [*Lambis*] *chirago* 8 general diss.: 10 w. & i.d. Annot.
- 53 a *Cypraea* 4 d. b *Conus* 10 d. c,d *Strombus* [*Lambis*] 6 d. including shells e *Terebellum* 5 d. including shell f *Cypraea* 16 d. 2 with shells. Annot. a-f All general diss. All w.d.
- 54 [Octopus, unident.] Japanese ivory sculpture (Netsuke) showing bather attacked by octopus: 5 c.d. one P: *Trans. zool. Soc. Lond.* 11 1881 p.166 f.4. Annot.
- 55 a † *Nautilus* [*Cenoceras*] *striatus* median section 5 i. & w.d. Annot. b *Nautilus pompilius* diss. of animal removed from shell: 1 p.d. Annot. c *Nautilus* [*Cenoceras*] *obesus* side view of internal cast of shell: 1 p.i. & w.d. d † [*Cenoceras*] shell & internal mould & view with side partly cut away, 3 p.i. & wash d. e [?] *Eutrephoceras* or *Cenoceras*] side partly cut away: 3 p.i. & wash d. f3 † *Ammonites lingulatus* [indeterminate Opeelid ammonite] lat. & aptychi f4 † *Ammonites* [*Oppelia*] *subradiatus* ant. with pair of aptychi in the aperture: 3 p.d. [R.O. del.] f P: *Proc. zool. Soc. Lond.* 1878 pl.60 f.1,2 g10 † [*Hildoceras bifrons*] ant. & lat.: 2 d. g11 † [*Lytoceras fimbriatum*] 2 d. g12 † [*Harpoceras*] 2 d. g13 [Belemnitida, unident.] 6 d. g All pen, i. & wash d. Annot.
- 56 a,b *Pholadomya* [*candida*] morphology of animal removed from shell: a with details of mantle: 3 w.d. H.S. del. Annot. Mentioned *Proc. malac. Soc. Lond.* 40 1972 p.47 c *Calyptopsis* [*Calyptraea byronensis*] shell, dors. & vent. & 6 diss.: 8 w. & i.d. R.O. del. P: *Trans. zool. Soc. Lond.* 1 1835 pl.30 f.1-7 d *Clavagella* [*Bryopa*] *lata*] 9 diss. parts: 8 p. & w.d. R.O. del. P: *l.c.* pl.30 f.8-16
- 57 a [*Teredo*] lat. with added detail: 2 w.d. Annot. b *Teredo gigantea* [*Kuphus polythalmia*] lat. view of case: 1 w.d. W.C. del. Annot. Mentioned in *Phil. Trans. R. Soc.* 96 1806 p.269 c [*Pennella*] 6 parts including 3 diss.; 6 w.d. Annot.
- 58 a left *Teredo* Annot. centre *Teredo banksii* Annot. right *Teredo clava* [?] *Uperotus clavus*] Annot. 4 i. sketches b *Teredo* [?] *navalis*] 11 p.i. & w. sketches: verso [*Teredo navalis*] 3 diss.: 3 w. sketches [W.C. del.]. *Teredo gigantea* [*Kuphus polythalmia*] c case, external: 1 w.d. Annot. P: *Phil. Trans. R. Soc.* 96 1806 pp.269-275 d case, internal: 1 w.d. P: *l.c.* pl.11 f.6. verso end of case: 1 w.d. P: *l.c.* pl.10 f.2 e case, part of exterior: 1 w.d. Annot. Both c & e are parts of a specimen figured *l.c.* pl.10 f.1 f case, transverse sections & external appearance: 4 w. & p.d. [W.C. del.] Annot. P: *l.c.* pl.10 f.5,4; pl.11 f.7
- 59 a *Spirula* [*peronii*] [*S. spirula*] a1 lat. a4 ant. a5,6 post. a7 distal end of body × 2: a11 specimen with mantle laid open: a15 diss. of head & internal organs: *Spirula* [*reticulata*] a3 lat. of mutilated specimen a9 distal end of body × 4: a10 section of distal end. *Spirula* a12 internal structures a13 circulatory structures a14 liver: unnumbered peduncle magnified unnumbered [unident.] part. 15 p.d. P: Adams, A. *Zool. Voy. Samarang* Lond. 1848 Mollusca pl.4

## Folio

- Spirula [australis]* diss. b 12 p. & i.d. c 9 p. & i.d. d 6 p. & i.d. b-d P: *Ann. Mag. nat. Hist.* (5) 3 1879 p.1-3 e Anatomy including diss.: 7 p. & w.d. Bergeau del. P: *Proc. zool. Soc. Lond.* 1880 pl.32
- 60 a *Sepioteuthis brevis [lessoniana]* vent. diss.: 1 w.d. T. Rymer Jones del. P: *Trans. zool. Soc. Lond.* 11 1881 pl.26 f.1 HOLOTYPE of *S. brevis* b *Sepiolo [Sepietta] owenii* ♂ reproductive organs: 1 p.d. R.O. del. P: *l.c.* pl.26 f.2 (c-g) *Loligopsis ocellata* c suckers & transverse section of tentacle d mouth e gladius f beak & suckers g whole animal, dors.: 10 i. & w.d. d-g H.S. del. P: *l.c.* pl.26 f.3-8, pl.27 HOLOTYPE of *L. ocellata*
- 61 *Onychoteuthis raptor [banksii]* a gills & digestive system c vent. diss.: 2 p. & 1 i.d. R.O. del. P: *l.c.* pl.29 f.2-4 HOLOTYPE of *O. raptor* b [*Plectoteuthis [Architeuthis] grandis*] 3 views of tentacles including section & suckers: 4 wash d. P: *l.c.* pl.34, 35
- 62 *Enoplateuthis cookii* a mouth, vertical section b beak, lat.: 2 i. & w.d. T. Rymer Jones del. P: *l.c.* pl.31 f.1; pl.30 f.2 c systemic ventricle, diss. d section of unciferous actubulum e cephalic arm, distal end, transverse section f cephalic arm showing tentacles: 5 w.d. P: *l.c.* pl.32 f.1-6 g body, transverse section showing fins: 1 wash d. P: *l.c.* pl.31 f.4 HOLOTYPE
- 63 *Enoplateuthis cookii* post. end, dors.: 1 wash d. P: *l.c.* pl.31 f.3. Annot. [Specimen collected on Capt Cook's 1st Voyage was in Hunterian Mus. Coll. No. E 1066 probably destroyed by bomb in 1941.] HOLOTYPE
- 64 *Enoplateuthis cookii* vent.: 1 wash d. P: *l.c.* p.31 f.2. Annot. HOLOTYPE
- 65 a [? *Sepiolo*] dors.: 1 w.d. b *Tritaxeopus [Octopus (Tritaxeopus)] cornutus* whole animal, dors. & detail of mouth: 2 w. & i.d. P: *l.c.* pl.23 f.1,2. HOLOTYPE of *T. cornutus*
- 66 *Ommastrephes ensifer* whole animal, dors. & details of tentacles 3 d. (1 c. 1 i. 1 p.) P: *l.c.* pl.28. Annot. HOLOTYPE
- 67 a *Octopus semipalmatus [Tremoctopus vidaceus]* whole animal, dors. & vent. diss.: 2 p.d. R.O. del. P: *l.c.* 2 1838 pl.21 f.12,13 b [*Argonauta hians*] ovum: 1 p.d. R.O. del. P: *l.c.* pl.21 f.15 c *Sepioteuthis* and valves, closed & open: 2 p.d. R.O. del. P: *l.c.* pl.21 f.16 d *Sepia officinalis* statocyst, diss.: 1 p.d. [R.O. del.] P: *l.c.* pl.21 f.17 e *Cranchia scabra* 5 d. numbered 1-5: *Loligo laticeps [Onykia carribaea]* 5 d. numbered 6-10: entire animals & diss. parts: 10 p.d. R.O. del. P: *l.c.* pl.21 f.1-10 f *Argonauta hians* mantle diss.: 2 wash d. Annot. g *Loligo laticeps [Onykia carribaea]* oral view: 1 p.d. [R.O. del.] P: *l.c.* pl.21 f.11 h *Nautilus pompilius* tentacle, inner surface magnified: 1 c.d. P: *Ann. Mag. nat. Hist.* 12 1843 p.308 f.1
- 68 a *Caninia [Canininula] lineata* longitudinal diss. nat. size & enlarged detail: 2 p.d. & w.d. b [Family Nereidae, unident.] A,B dors. & vent. C head with pharynx everted D,E parapodia, mid-body & post end: 5 p.i. & w.d. R.O. del. c [Polychaeta, unident.] ant. end, dors.: 1 p. & w.d. d [Family Phyllodocidae, unident.] ant. end, dors.: 1 w.d. e [*Nephtys*] dors. view with pharynx everted: 1 w.d. C. A. O[wen] del. f [Echiuroinea; genus unident.] diss.: 3 w.d. R.O. del. Annot. g *Ascaris halicorhis [Dujardinascaris halicorhis]* diss. & detail of ant. region: 2 p.d. R.O. del. h1 *Linguatula proboscidae* h2 *Sipunculus phalloides* [? part] detail: *Strongylus [Dioctophyme] gigas* h3 diss. of post. & ant. ends: 4 p.d. R.O. del. i uterus & vagina, diss.: 1 p.d. R.O. del.
- 69 [*Arenicola*] a entire specimen, external appearance & details of parts: 5 p. & w.d. b alimentary canal diss. out: 2 p. & w.d. c [*Moniezia*] whole specimen, segments & scolex: 5 w.d. Annot. d † *Helminthodes* [? *antiquus*] entire specimen: 1 photo. Annot. [? specimen announced by O. C. Marsh in *Amer. J. Sci.* 38 1864 p.415] e,f [Lumbricidae] vent. diss. showing alimentary canal & typhlosole: 2 p. & wash d. Annot.
- 70 a *Trichosoma [Capillaria] caprimulgi* head, tail, eggs, anus & vulva: 5 p.d. b *Taenia decupata* [possibly *Anoploaenia dasyuri* or *Dasyurotaenia robusta*] ant. end of worm, scolex & lat. portion of strobila: 3 p.d. Annot. *Linguatula taenioides* c vent. view & ova: 6 p.d. & autograph description g,h ant. & post. ends of worm, vent. diss.: 4 p.d. i nervous & reproductive system diss. out: 3 p.d. R.O. del. P: *Trans. zool. Soc. Lond.* 1 1835 c pl.41 f.10,15,16 g-i pl.41 f.11-14 d [? *Breintia*] whole animal, alimentary canal, diss.: 2 p.d. Annot. e *Trichospira* or *Trichina [Trichinella spiralis]* cysts & worm: 7 p.d. R.O. del. Annot. f [*Trichinella spiralis*] cysts & worm: 3 wash d. Annot. j *Trichina [Trichinella] spiralis* cysts & worm diss. out: 9 p. & c.d. R.O. del. P: *l.c.* pl.41 f.1-9 k *Distoma clavatum [Hirudinella clavata]* external anatomy & diss. vent.: 4 p.d. P: *l.c.* pl.41 f.17-20 l *Taenia lamelligera* anatomy, including details of segments: 3 p.d. R.O. del. P: *l.c.* pl.41 f.21-23 m *Trichospira [Trichinella spiralis]* manuscript notes for drawings made by 'Mr. Paget' [later Sir James Paget] from . . . demonstrations by J. Jos. Bennett . . . confirmed by Robt. Brown, F.R.S. . . . [It is not clear to which drawing this refers - none signed by Paget or credited to him ? f.]

## Folio

- 71 **a5** *Lernentoma nodosa* [*Chondracanthus nodosus*] 2 w.d. **a6** *Lernentoma* [*Acanthochondria*] *cornuta* 2 w.d. **b** *Lernentoma gobina* [*Diocus gobinus*] 2 w.d. engr. P: Jones, T. Rymer *Outline . . . organization . . . Anim. Kingdom* 4th ed. Lond. 1871 f.351a,b. **c** *Lernoeca radiata* [*Chondracanthodes radiatus*] 2 w.d. engr. P: *l.c.* f.351c,d. **d** [*Lernaepoda*] 7 w.d. R.O. del. Annot. **e2** [*Clavella adunca*] 2 w.d. **e lower** [*Kroyeria*] 2 p.d. **f** [*Lernaecera branchialis*] 1 w.d. Annot. **g** *Goodsirus* [*Hemioniscus*] *balani* developmental stages: 8 i.d. Annot. **h** *Lepeophtheirus pectoralis* 2 w.d. Annot. **i** *Peniculus clavatus* 2 w.d. Annot. All except **d**, **e lower** & **g** copies of plates in Müller, O. F. *Zoologiae Danicae . . . fasc. 1-2 Hauniae, 1777-80, pls 33 & 118*
- 72 *Limulus polyphemus* diss. to show **a1** alimentary canal, dors.: **a2** circulatory system, dors. P: *Trans. Linn. Soc. Lond.* 28 1873 pl.36 **b** longitudinal diss. to show internal anatomy: f.1,2 P: *l.c.* pl.37 **c1** central nervous system, vent.: **c2** eye & ocular nerve: **c5** entosternon & attached muscles: **c6,7** ♀ reproductive system P: *l.c.* pl.38. **c3,4** † *Phacops conophthalmus* [*Chasmops extensa*] eye & magnified sections: P: *l.c.* pl.38: All p. drawings
- 73 **a** *Porcellana coccinea* [*Petrolisthes coccineus*] dors. & vent. & details of parts: 4 w. & i.d. P: *Zool. Capt. Beechey's Voyage Lond.* 1839 pl.26 f.1,2 **b1** *Gelasimus* [*Macrophthalmus*] *telescopicus* described by R. Owen *Cat. Mus. R. Coll. Surgeons of England* pt. 4 fasc. 1 Lond. 1830 p.78 No. 291 **b3** *Grapsus* [*Metagrapsus*] *thukuhar* described by R. Owen *l.c.* p.80 No. 294 B: 9 i. & w.d. P: *Zool. Capt. Beechey's Voyage, Lond.* 1839 pl.21 **c** [*Acturus*] l. lat. & details of parts: 5 w.d. Annot. **d1** *Pagurus pictus* [*Labidochirus splendescens*] **d2** *Pagurus splendescens* [*Calcinus elegans*] 2 w. & i.d. P: *l.c.* pl.25 Both described by Owen *Cat. Mus. Roy. Coll. Surgeons of England Lond.* 1830 pl.4 84 & 83 Nos 305 C & 302 B **e** [Section Anomura: sp. unident.] 4 i. outline d. **f** † *Phacops conophthalmus* [*Chasmops extensa*] part magnified to show eye: 1 c.d. **g** † *Bellinurus* [*Belinurus*] dors.: 1 w.d. Annot.
- 74 **a** *Crangon* [*Sclerocrangon*] *salebrosus* l. lat. view & parts: 6 i.d. R.O. del. P: *Zool. Capt. Beechey's Voyage, Lond.* 1839 pl.27 f.1 **b** *Squilla* [*Pseudosquilla*] *ciliata* r. lat. view & parts: 7 i.d. P: *l.c.* pl.27 f.5 **c** & **f** [Family Parastacidae - Genus unident.] **c1** l. lat. diss. to show ? gills **f** dors.: 2 i. & w.d. T. R. Jones del. **d3** *Hippolite beacheyi* [*Heptacarpus* or *Eualis*] **d4** *Hippolite leachei* [*Spirontocaris affinis*] Annot. 2 p.d. P: *l.c.* pl.27 **e** *Hippolite armata* [*Lebbeus groenlandicus*] l. lat. view & parts: 6 i. & w.d. R.O. del. P: *l.c.* pl.27 f.2
- 75 *Julus terrestris* **a** ant. end of dors. vessel **b** middle of dors. vessel **c** 3 diss. to show brain & neural chord, dors. & vent. **a-c** Annot. **e** portion of vent. nervous system **f** *Cermatia* [*Scutigera*] pylorus diss. 7 c.d. **d,g-i** *Polydesmus* **d** dors. diss. to show central nervous system: 1 w.d. **g,j** middle portion & caudal end of dors. vessel magnified: 2 p.d. **h** ant. portion of dors. vessel, magnified: 1 w.d. **i** diss. to show alimentary canal, magnified: 1 w.d.
- 76 **a** [*Borocera*] ♀ moth, cocoon, caterpillar & egg. 3 w.d. E. Home del. Annot. **b** [Scorpiones] vent. diss. to show alimentary canal: 1 incomplete outline & w.d. **c** [*Periplaneta americana*] vent. diss. to show dors. vessel: 1 w.d. Annot. **d** [*Goliathus goliatus*] dors. view: 1 wash d. **e** Lepidoptera, bile tube of caterpillar: 1 daguerreotype by Goadby, Sol & Claudet. Annot.
- 77 **a top** *Nereis* [Family Alciopidae ? - planktonic polychaete - not *Nereis*] 4 w.d. **a middle** ? *Phronimia* [*Phronima*] complete spec. l. lat. & detail of head & appendages 7 w.d. Annot. **a bottom** [Medusa, unident.] 3 w.d. **b** [Class unident. marine form, eggs] 1 w.d. Annot. **c** *Dagysa* [*Thetys vagina*] diss.: 3 i. & w.d. **d** *Dagysa volva* [aggregate form of Salp] lat.: 1 w.d. S. Parkinson del. 1768 **e line 1** [Coelenterate hydromedusa & Siphonophora, unident.] **e line 2** Medusae **e line 3** [? Chaetognatha] & [? Pteropod mollusc larva] **e** 8 p. & w.d. **f top** *Beroe* whole & diss. 4 views, 1 w.d. & 3 i. sketches **f lower** [? Salp] 3 views: 3 p. & w. sketches **g** [? *Pegea confoederata*] 3 views: 3 p. & w.d. **h top** [? *Salpa maxima*] 2 views: 2 p. & w.d. **h lower** [? Salp] 3 views: 3 p. & w. sketches **e-h** All del. 1836. All Annot.
- 78 **a,c** *Sipunculus* diss. 3 p. & w.d. R.O. del. **b** [*Heterocentrotus*] part of test showing spines & muscle attachments: 1 p.d. Annot.
- 79 **a** grid of  $\frac{3}{16}$  inch squares: 1 p.d. Annot. **b** [Invertebrate, unident.] 1 w. & p.d. **c** [*Tealia felina*] 3 lat. views: 1 w.d. **d** *Isis ochraceus* longitudinal section & 'coral joints': 3 i.d. Annot. [see *Phil. Trans. R. Soc.* 90 1800 pp.327-402] **e** [Cucumariidae] lat. views **e1** tentacles extended **e2** animal contracted: 2 w.d. Annot.
- 80 **a** *Physalis pelagica* [*Physalia physalis*] lat. view of living specimen: 1 w.d. G. Owen del. **b** *Physalis* [*Physalia physalis*] lat. view of whole & parts in detail: 7 w. & i. sketches Annot. **c** *Physalia* [*physalis*] lat. view of living animal & 2 sketches of sections & vent. view: 1 w.d. & 3 i. sketches. Annot.
- 81 **a,b** *Terebratula* [*Hemithiris*] *psittacea* diss.: 4 p.d. R.O. del. P: *Trans. zool. Soc. Lond.* 1 1835 pl.22

## Folio

- f.14\*,14,13,12 c *Terebratula* [*Terebratella*] *chilensis* diss. & magnifications: 11 p.d. Annot. *Terebratula* [*Terebratella*] *sowerbii* diss.: 2 c.d. Annot. P: *l.c.* pl.22 d,e *Lingula* [*Glottidia*] *audebardii* anatomy: 2 p.d. R.O. del. P: *l.c.* pl.23 f.15,16
- 82 a *Distigma proteus* 9 views of organisms b *Distigma* [*Eutreptia*] *viridis* 6 views of organisms c *Lagenula* [*Lagenella*] *euchlora* [*Trachelomonas lagenella*] 3 views of organisms d *Microglena monadina* [? zoospores of *Ulothrix zonata*] 5 views e *Eudorina elegans* 4 views of colonies f *Microglena volvocina* [*M. punctifera*] 4 views of organisms: 6 w.d. [? All copied from Ehrenberg, C. G. *Die Infusionsthierchen* . . . Atlas, Leipzig 1838 pls 1,2,3 & 8]
- 83 a *Euglena sanguinea* 6 views of organisms b *Euglena acus* 16 views of organisms including binary fission & movement c *Euglena longicauda* Ehr. *Vibrio aco* Müller [*Phacus longicauda*] 3 views of organisms d *Euglena* [*Phacus*] *pyrum* 4 views of organisms e *Amblyophis* [*Euglena*] *viridis* 2 views of organisms f *Ophryoglena flavicans* 3 views of organisms: 6 w.d. [? All copied from *l.c.* pl.7 f.6,15,13,11,5; pl.40 f.8]
- 84 † *Lama* [*Odontaspis*] *elegans* tooth, longitudinal section: 1 p.d. P: Owen, R. *Odontography* . . . Lond. 1840-45 2 pl.6
- 85 a [*Sargus rufescens*] incisor, part of transverse section: 1 w. & i.d. J. Dinkel del. P: *l.c.* pl.43 f.2 b † *Scaparnodon* [*Scaparnodon*] *ramsayi* [*Phascolonus gigas*] incisor, part of transverse section: 1 p.d. C. Berjeau del. Annot. c † *Megatherium* molar, part of transverse section: 3 p.d.
- 86 a † *Liodon* tooth, transverse section, magnified: 4 c.d. varnished. S. W. Leonard del. b top left (f.6a,b) † [? *Hylaeosaurus*] tooth: 2 w.d. † [*Mormorosaurus obtusus*] b lower left (f.5a,b) tooth: 2 views c enamel surface, magnified: 2 w.d. & 1 p.d. b top right (f.1c) tooth: 2 w.d. Annot. b lower right (f.3) † *Cardiodon rugosus* [*rugulosus*] a,b tooth: 2 views: c,d enamel surface, magnified: 3 w.d. & 1 p.d. Annot. All b P: *l.c.* pl.75a f.5-7 c † *Dendrodus* [*biporcatus*] c top tooth, transverse section: 1 p. & w.d. c lower tooth, lat. & outlines of transverse sections: 3 i.d. c lower P: *l.c.* pl.62A f.1. Annot.
- 87 a *Iguana tuberculata* [*iguana*] tooth, part, transverse section: 1 i.d. J. Dinkel del. P: *l.c.* pl.69 f.1. Annot. b † *Iguanodon* tooth, transverse section 1 i.d. J. Dinkel del. P: *l.c.* pl.7I c1&2 *Python* tooth, transverse section: 2 i.d. J. Dinkel del. P: *l.c.* pl.65B f.1,2 c bottom † *Mosasaurus* tooth, transverse section: 1 i.d. P: *l.c.* pl.69 f.3
- 88 a † *Acrodus* tooth, medullary canals: 1 p.d. L. Aldous lith. P: *l.c.* pl.16 f.3 b [order unident.] tooth or bone section: 1 p.d. c † *Theriosuchus pusillus* dermal scutes: 4 p. & i.d. D. Blair del. Annot. c2 P: Owen, R. . . . *Reptilia* . . . *Wealden Formations* Suppl. 9 *Crocodylia Palaeontogr. Soc. (Monogr.)* 1879 pl.2 f.11 † *Nuthetes* [*Megalosaurus*] *destructor*\* d dermal tubercles & teeth: 10 p.d. D. Blair del. Annot. P: *l.c.* pl.2 f.13-22 (f.13,14)\* No. 48207 (f.15)\* No. 48208 (f.18-21)\* No. 48247 e section of a 'granicone': 1 i.d. D. Blair del. P: *l.c.* f.23 a-e All include magnified sections
- 89 a *Homo sapiens* [? *Pan troglodytes*] tooth, longitudinal section: 1 i.d. Annot. P: Owen, R. *Odontography* . . . Lond. 1840-45 2 pl.119a b *Macropus* tooth, longitudinal section: 2 i.d. J. Dinkel del. P: *l.c.* pl.102 c † *Megatherium* tooth, magnified longitudinal section: 1 ink & wash d. J. Dinkel del. P: *l.c.* pl.84 d † *Glyptodon* tooth, longitudinal section: 1 i.d. J. Dinkel del. P: *l.c.* pl.86 e † *Odontopteryx toliapicus* [*toliapica*] 'flight processes': 2 i. & wash d. D. Blair del. Annot. a-e All include magnified sections
- 90 a,d *Myliobatis aquila* longitudinal, vertical & transverse sections of teeth: 2 w.d. J. Dinkel del. P: *l.c.* pl.26,27 b † [Order unident.] tooth sections: 2 c.d. S. W. Leonard del. Annot. c † *Acrodus nobilis* longitudinal section of tooth: 1 w.d. P: *l.c.* pl.15 e † *Rhizodus hibberti* longitudinal & transverse section of teeth: 3 w.d. J. Dinkel del. P: *l.c.* pl.36,37 f † *Ptychodus decurrens* longitudinal sections of teeth: 3 w.d. J. Dinkel del. P: *l.c.* pl.18,19 g [Order unident. ? *Megatherium*] tooth section: 1 w.d. J. Dinkel del.
- 91 a † *Sagenodus inequalis*\* tooth plate, longitudinal section \*No. P6246: 4 c. & black & white d. P: *Trans. odont. Soc. Gr. Br.* 5 1867 pl.12 b † *Characodus confertus* [*Rhizodopsis sauroides*] longitudinal tooth section: 3 c. & monochrome d. P: *l.c.* pl.13 c † [*Rhizodopsis sauroides*]\* tooth sections: 8 i. & w.d. P: *l.c.* pl.14 in \*coll. d † *Gastrodus prepositus* [*Rhizodopsis sauroides*]\* longitudinal tooth sections P6247: 11 c. & monochrome d. All [T. West del.] P: *l.c.* pl.15
- 92 a † *Mitrodus quadricornis* [*Gyracanthus formosus*]\* scale, longitudinal section \*No. P6239: 1 c. & 3 monochrome d. T. West del. P: *l.c.* pl.3 b † *Agelodus diadema* [*Callopristodus pectinatus*]\* tooth, longitudinal section \*P6240: 4 c.d. T. West del. P: *l.c.* pl.4 c [† Fish unident.] tooth, natural size, lat. & longitudinal section: 2 c.d. L. Aldous del. Annot. d † *Oreodus robustus* tooth, longitudinal section: 1 c. & 3 monochrome d. T. West del. Annot.

## Folio

- 93 a *Sus scrofa* disarticulated skull & forelimb, r. lat.: 1 p.d. P: Owen, R. *Archetype . . . of the Vertebrate Skeleton* Lond. 1848 f.24 p.128 b *Canis* skel. l. lat.: 1 p.d. P: *l.c.* pl.2 f.5
- 94 a *Alligator lucius* [*mississippiensis*] disarticulated cranium, r. lat.: 1 p.d. P: *l.c.* f.22 b *Homo sapiens* sk. of newborn child, r. lat. exploded view. 1 p.d. c foetal skel. disarticulated sk. r. lat.: 1 p.d. R.O. del. P: *l.c.* f.25
- 95 a *Canis* skel. r. lat.: 1 i. outline d. Annot. P: *l.c.* pl.2 f.5 b [Aves unident.] skel. l. lat.: 1 i.d. R.O. del. Annot. P: *l.c.* pl.2 f.4 *Homo sapiens* c skel. l. lat. d sk. r. lat.: 2 i. outline d. R.O. del. P: *l.c.* pl.2 f.6
- 96 a *Morrhua vulgaris* [*Gadus morhua*] encephalic arch: mesencephalic arch: prosencephalic arch: rhinencephalic arch: All disarticulated & viewed from post. 4 p.d. P: *l.c.* f.1-4 b *Crocodylus* [*Crocodylus*] encephalic arches, bones disarticulated, post. view 22 p.d. P: *l.c.* f.18-21 c [Aves unident.] thoracic vertebra, ribs & section of sternum: 1 p.d. R.O. del. P: *l.c.* f.15 d *Pelecanus* cervical vertebra: 1 p.d. Annot. e diagrams of ideal animal & *Homo*, vertebrae showing neural & aemal arches: 2 i.d. R.O. del. Annot. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 1 f.17,18
- 97 *Gadus morhua* a 13 disarticulated bones: jaws, suspensorium, branchial & hyobranchial skel. b 26 disarticulated bones, circumorbital & opercular series. All p.d.
- 98 *Morrhua vulgaris* [*Gadus morhua*] latero-sensory canal, disarticulated bones: 1 p. & i.d. R.O. del. Annot. P: Owen, R. *Archetype . . . of the Vertebrate Skeleton* Lond. 1848 f.5
- 99 Archetypes & homologies of the skel. a,e reptile b,d fish c,f archetype, skels. lat. view: 6 p. & i.d. R.O. del. a Annot. preliminary d. for *l.c.* pl.2 f.3,2,1.
- 100 *Homo* from Bruniquel Caves a l. frontal fragments of cranial vaults b fragments of frontal bone c 2 pieces of cranial vault g,h endocranial casts, dors. & post. a Annot. 6 p.d. d letter from A. W. Franks dated 2/4/1864 e Bruniquel Caves: 1 photo. f *Bos primigenius* head from Bruniquel Caves: 2 p. & crayon d.
- 101 a-e plans of the cavern at Bruniquel, 1864: c engr., others i. & wash d. R.O. del. Annot. P: *Phil. Trans. R. Soc.* 159 1869 f. 1-4
- 102 1 † [*Goniopholis tenuidens*]\* incomplete lower jaw, with teeth & ant. canine HOLOTYPE \*No. 48300 2 † [*Brachydectes* [*Oweniasuchus*] *major*]\* l. ramus, l. lat. HOLOTYPE \*No. 48304 3 † [*Brachydectes* [*Oweniasuchus*] *minor*]\* l. ramus, l. lat. \*No. 48328b 4-12 † [Crocodylia, unident.] parts of vertebrae 13 † [*Brachydectes* [*Oweniasuchus*] *minor*]\* 3 dors. vertebrae, lat.: \*No. 48335a. 14 p.d. H. Olson del. P: Owen, R. *Brit. Fossil Reptiles* Lond. 1849-84 Crocodylia pl.42
- 103 † *Teleosaurus chapmani* [*Plesiosaurus brongniarti*]\* incomplete skel. in slab, dors. & lower jaw, vent.: 2 p.d. [J. E. Girardot del.] P: *l.c.* pl.15 f.1 2 \*No. 14792
- 104 a,b † [Plesiosaurian] incomplete post-cranial skel. in block: 2 photos. Annot. c † *Ichthyosaurus cuvieri* incomplete sk. & cervical vertebrae, l. lat. 1 photo. Annot.
- 105 a † *Ichthyosaurus communis* skel. in slab, vent.: 1 photo. Annot. b † *Ichthyosaurus* skel. in slab: 1 photo. c † *Ichthyosaurus tenuirostris* skel. in slab: 1 p.d. I. I. Walker del. Annot.
- 106 a † *Ichthyosaurus communis*\* skel. of young in slab, l. lat. \*No. 36256 b,c † [*Ichthyosaurus communis*]\* skel. in slab, vent. P: Owen, R. . . . *Reptilia . . . Liassic Formations* Pt. 3 *Palaeontogr. Soc.* (*Monogr.*) 1881 pl.30 f.3 \*No. 38803 d,e † *Ichthyosaurus latifrons* skel. in slab, l. lat. P: *l.c.* pl.23 f.6, pl.32 f.9 \*No. 38709. 5 photos
- 107 a † [*Ichthyosaurus acutirostris*]\* incomplete skel. in matrix: 1 photo. \*No. 14553 b † [*Ichthyosaurus acutirostris*]\* sk. in slab, dors. \*No. 15500a c † *Ichthyosaurus latifrons*\* imperfect skel. in slab, dors.: P: *l.c.* pl.32 f.8. \*No. 14566 d,e † *Ichthyosaurus longirostris*\* skel. in slab, l. lat.: P: *l.c.* pl.32 f.7. \*No. 36182 † *Ichthyosaurus platyodon*\* f1 skel. in slab, dors.: P: *l.c.* pl.31 f.1. \*No. 2003 f2 vertebral column with restorations of vertebrae \*No. 481. 5 photos
- 108 a,b † *Ichthyosaurus tenuirostris*\* skel. in slab, dors. P: *l.c.* pl.32 f.1. \*No. R 1120 c,d † *Ichthyosaurus communis*\* skel. of young in slab, r. lat. \*No. 120 e † *Ichthyosaurus breviceps*\* skel. in slab, l. latero-dors. P: *l.c.* pl.29 f.2. \*No. 43006. 6 photos
- 109 a1 † *Ichthyosaurus*, 2 † [Archosaurian], 3 † [Unident], 4 † [Plesiosaurian] vertebrae: 8 wash d. Annot. b † ? Ichthyosaurian, caudal vertebrae: 2 wash d. T. L. Shuckard del. Annot. c † *Ichthyosaurus tenuirostris* or *I. acutirostris* fragments of sk. in slab: 11 p.d. C. Theodori del. Annot. d † *Ichthyosaurus tenuirostris* skel. fragments in slab: 1 p.d. C. Theodori del. Annot.
- 110 a † *Ichthyosaurus* vertebra, 2 views: 2 s.d. Annot. b † [*Ichthyosaurus*] 4 vertebrae in slab: 1 s.d. H.S. del. c † *Thyreospondylus* [*Ichthyosaurus thyreospondylus*] vertebra, incomplete, 3 views: 3 w.d. C. [Clift] del. d † *Ichthyosaurus trigonus* vertebra, 3 views: 3 w.d. H.S. del. Annot. e † [Unident.] 2 vertebrae in slab, lat. section: 1 w.d.

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- 111 a † *Ichthyosaurus platydon* scapula: C. [Clift] del. b † *I. tenuirostris?* propodials, incomplete: G.S. del. Annot. c † *I. tenuirostris?* scapula: Annot.: 4 w.d.
- 112 a † *Ichthyosaurus tenuirostris* fragments of vertebrae, ribs & propodial in slab: 1 w.d. b,e *Ichthyosaurus* c *I. intermedius* d † *I. tenuirostris*: propodials: 4 w.d. Annot.
- 113 a † [*Ichthyosaurus*] propodials: 2 w.d. W.C. del. Annot. b † [*Ichthyosaurus*] propodials: 1 i.d. Annot. c † [*Ichthyosaurus*] propodial: 1 i.d. Annot.
- 114 a,b † *Ichthyosaurus* propodials: 5 rough p. sketches for Fol. 113. Annot.
- 115 a † [Unident. ? *Ichthyosaurus*] part of pectoral girdle: 1 wash d. b † [Unident. ? *Ichthyosaurus*] part of pectoral girdle, frontal: 1 p. & wash d. c † [*Ichthyosaurus*] pectoral girdle, incomplete, frontal: 1 p. & wash d. Annot. d † [Ichthyosaurian] incomplete pectoral girdle in slab, frontal: 1 wash d. Annot.
- 116 a † *Ichthyosaurus* sternal ribs in slab: 1 w.d. b † *Proteosaurus* [*Ichthyosaurus*] incomplete skel. 1 s.d. W.C. Junior del. Annot.
- 117 † [Ichthyosaurians] a incomplete sk. l. lat.: 1 w.d. Annot. b incomplete sk. with matrix, dors.: 1 w.d. G. Cumberland del. Annot. c incomplete sk. l. lat.: 2 w.d. Annot.
- 118 † [Ichthyosaurians] a part of sk. r. lat.: Annot. b part of sk. r. lat. G. Cumberland del. Annot. c sk. nearly complete, l. lat.: Annot. 3 w.d.
- 119 † [Ichthyosaurians] a incomplete sk. l. lat.: Annot. b incomplete sk. r. lat.: Annot. c incomplete sk. l. lat.: Annot. 3 w.d.
- 120 † *Proteosaurus* [*Ichthyosaurus*] imperfect skel.: 1 w.d. Annot.
- 121 † *Ichthyosaurus* [*intermedius*] imperfect skel. in slab, l. lat.: 1 i.d. J. Dinkel del. Annot.
- 122 † *Ichthyosaurus* a imperfect rostrum b vertebrae c propodials d pectoral girdle: 10 s.d. [All parts of specimen figured on Fol. 121] Annot.
- 123 a † [Ichthyosaurian] incomplete skel. in slab: 1. lat. & 4 separate vertebrae: 5 i. sketches. Annot. b † *Ichthyosaurus tenuirostris* incomplete skel. in slab: 1 i. sketch. Annot. c † [Ichthyosaurian] restored sk. & lower jaw, including sections: 12 i.d. H. de la Beche & W. D. Conybeare del. P: *Trans. geol. Soc. Lond.* 5 1821 pl.40
- 124 a † *Placodus bathygnathus* [*gigas*]\* incomplete l. ramus & teeth, lat. & occ.: 3 i. outline d. P: *Phil. Trans. R. Soc.* 148 1858 [1859] pl.11 f.1-3 HOLOTYPE of *P. bathygnathus* \*No. 19677 b † *Placodus* [*Cyamodus*] *rostratus* pal. view of incomplete sk. with dentition: 1 p.d. P: *l.c.* pl.1 f.4 c † *Placodus* [*Cyamodus*] *laticeps*\* pal. view of sk. with dentition: 1 p. sketch. lithograph P: *l.c.* pl.10 f.1. HOLOTYPE \*No. R 1644
- 125 a † *Placodus* [*Cyamodus*] *laticeps* & *P. bombidens* [*andriani*]\* parts of upper & lower jaws: 11 p.d. P: *l.c.* pl.9 f.3-6 & pl.10 f.2-7. Pl.9 f. of \*No. R 1643 HOLOTYPE of *P. bombidens* b † *Placodus* [*Cyamodus*] *laticeps*\* sk. dors. & lat.: 2 p. sketches P: *l.c.* pl.9 f.1-2 HOLOTYPE \*No. R 1644
- 126 † *Pliosaurus* ? a propodials & ischium: 1 photo. Annot. b † *Plesiosaurus dolichodeirus* pectoral girdle: 1 i. & wash d. R.O. del. Annot. P: Owen, R. *Hist. Brit. fossil Rept. Lond.* 1849-84 4 pl.20 f.1
- 127 † *Pliosaurus brachydeirus* incomplete lower jaw, occ.: 1 i. & wash d. H. de la Beche del. Annot. HOLOTYPE Oxford Univ. Mus. Geol. Coll. No. J 9245 B
- 128 † *Plesiosaurus giganteus* [*Pliosaurus brachydeirus*] incomplete sk. pal. & dors.: 3 i. & wash d. H. de la Beche del. Annot. Oxford Univ. Mus. Geol. Coll. No. J 9245 A
- 129 † *Polyptychodon* a tooth, 3 views: 3 w.d. Annot. b tooth: 2 sepia d. Annot. b1 P: Owen, R. . . . *Reptilia* . . . *Cretaceous formations. Palaeontogr. Soc. (Monogr.)* 1851 pl.14 f.5 c tooth, 3 views: 3 s.d. d † [Pliosaurian] tooth, 3 views: 3 s.d. H.S. del. Annot. e † [? Pliosaurian] tooth, 4 views: 4 p.d. Annot. f † *Polyptychodon* worn tooth: 2 w.d. Annot. g † *Plesiosaurus* [*Pliosaurus brachydeirus*] tooth, 2 views: 2 w.d. Annot. h † Saurian teeth 2 p.d. Annot. i † [Pliosaurian] tooth: 1 p. sketch. Annot. j † [? *Polyptychodon*] tooth in block: 1 c.d. Annot.
- 130 a † [Pliosaurian] cervical vertebra, lat.: 1 c.d. b † [? *Plesiosaurus*] vertebra, 2 views: 2 s.d. Annot. c † [Pliosaurian] cervical vertebra end view: 1 w.d. d † *Plesiosaurus hawkinsii* post. half of sk. vent.: 1 w.d. G.S. del. Annot. e † *Pectopleuron* [? Plesiosaurian] cervical vertebra, 2 views: 2 w.d. Annot.
- 131 a † *Plesiosaurus* [*Thaumatosaurus*] *arcuatus* vertebra, end view. *P. hawkinsii*\* 2 vertebrae, lat. \*No. 2020 † *Plesiosaurus* caudal vertebrae, diagram 7 p.d. & sketches. Annot. P: *Trans. geol. Soc. Lond.* Sec.2 5 1838 pl.44 figs 4,5,6 b † [*Plesiosaurus carinatus*] cervical vertebra, 3 views: 3 w.d. C. [Clift] del. Annot. c † [*Plesiosaurus*] *perforatus* [*carinatus*] cervical vertebra: 3 w.d. C. [Clift] del. Annot. [? TYPE of *Pl. carinatus* Phillips, J. 1871]
- 132 a,b † *Plesiosaurus subdepressus* vertebra, 3 views: 3 s. wash d. Annot. c † *Plesiosaurus* vertebrae, lat.: 1 i. & wash d. Annot. d † [*Plesiosaurus*] *compressus* vertebra, 2 views: 2 w.d. Annot.

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- 133 a-d † *Plesiosaurus costatus* [*carinatus*] vertebrae: 8 c.d. C. [Clift] del. Annot.
- 134 a † *Plesiosaurus subcavatus*\* vertebra, 2 views: 2 s.d. H.S. del. Annot. \*No. 16058 † *Plesiosaurus laticeps* [? *Plesiosaurian*] b vertebra & teeth in matrix c 6 vertebrae, lat. b,c 4 c.d. Both Annot.
- 135 a-c † *Plesiosaurus subtrigonus* cervical vertebra, 3 views: 3 w.d. C. [Clift] del. Annot.
- 136 a † *Plesiosaurus* [*Pliosaurus*] *brachyspondylus* vertebra, 3 views 3 w.d. C. [Clift] del. Annot.  
b † *Plesiosaurus* [*Pliosaurus*] *brachydeirus* vertebra, 2 views: 2 p.d. Annot.
- 137 a † *Plesiosaurus homalospondylus*\* caudal vertebrae, 2 views: 2 i. & w.d. Annot. \*No. R 1367  
b † *Plesiosaurus*\* vertebra, lat.: 1 s.d. 2 p. sketches. Annot. c † *Plesiosaurus concavus* [*Plesiosaurian*]\* vertebra, lat.: 1 s.d. Annot.
- 138 a † *Pl[esiosaurus]* *dibothrius* cervical vertebra: 2 views 2 c.d. E. G. Müller del. Annot. b,c, † *Plesiosaurus* vertebrae, dors. & cervical: 2 s.d. Annot. d † *Plesiosaurus rugosus* vertebrae, 2 views: 2 s.d. G.S. del. Annot.
- 139 † *Plesiosaurus macrocephalus*\* incomplete skel. in slab, dorso-lat.: 1 w.d. J. Dinkel del. P: *Trans. geol. Soc. Lond.* (2) 5 1838 pl. 1838 pl.43. HOLOTYPE \*No. R 1336
- 140 † [Unident. ? reptile or mammal] incomplete skel. as found showing parts of vertebral column, cranium & limbs, l. lat.: 1 rough w. sketch
- 141 a,b † *Thecospondylus horneri*\* sacral vertebrae, lat., vent.: 2 p. sketches. A. C. Horner del. Annot. Fig: *Q. Jl geol. Soc. Lond.* 38 1882 pl.19 f.1,2. HOLOTYPE \*No. R 291
- 142 † *Iguanodon* metacarpals [?] a end view b 3 views: 4 p. sketches. Annot.
- 143 † [*Iguanodon*]\* 2-4th digits of hind foot: 1 p.d. Annot. \*No. R 1829. Fig.: Owen, R. . . . *Reptilia Wealden Formations* Suppl. 1 *Palaeontogr. Soc. (Monogr.)* 1858 pl.1
- 144 † [*Megalosaurus* or *Hylaeosaurus*]\* a 3 bones [? metatarsals]: 1 w.d. Annot. b terminal phalanges: 2 w.d.
- 145 a † [? Crocodilian.] 2 bones, parts magnified 4 s.d. G. B. Holmes del. b † *Streptospondylus* [Saurischian] dors. vertebra spinous process, 3 views: 3 s.d. Annot. P: Owen, R. *Hist. Brit. fossil reptiles* Lond. 1849-84 2 Atlas pl.21, f.3,4,5 c † *Streptospondylus altdorpensis* [*major*] [Saurischian] incomplete vertebra, lat. & post.: 2 w.d. C. del. Annot. top P: *l.c.* pl.21 f.2
- 146 a † *Streptospondylus* [*Iguanodon*] dors. vertebra, ant. post. lat. dors. & vent.: 5 s.d. Annot. b,c † *Streptospondylus major* [*Iguanodon bernissartensis*] \* centrum of vertebra, lat. & dors.: 2 c.d. \*No. 2239 b Annot. c P: *l.c.* pl.21 f.6.
- 147 a-c † *Streptospondylus* [*cwieri*] [? *Eustreptospondylus*] dors. vertebra, post. lat. & ant.: 3 w.d. Ripley del. Annot.
- 148 a † *Iguanodon*\* ungual phalanx, dors. & lat.: 2 c.d. Annot. P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 2 *Palaeontogr. Soc. (Monogr.)* 1854, pl.17 f.1,2 \*No. 2384 b † *Iguanodon* terminal phalanx: 1 photo. Annot. c † *Hylosaurus* Qu *Iguanodon* [? *Iguanodon*]\* digital bones, 3 views: 3 w.d. R.O. del. Annot. d † *Rysosteus* vertebra, lat.: 1 p. & s.d. Annot. e † *Scelidosaurus* 3 phalanges, 3 views of each: 9 s.d. Annot. f ? † *Scelidosaurus* phalanges, palmar & dors.: 2 p.d. g † *Scelidosaurus* [*harrisoni*]\* coracoid: 1 p.d. Annot. \*No. R 1111
- 149 a † *Omosaurus armatus*\* imperfect skel. as found: 1 p. sketch Fig: Owen R. . . . *Reptilia . . . Mesozoic Formations* Pt 2 *Palaeontogr. Soc. (Monogr.)* 1875 pl.19. \*No. 46013 o b † *Cetiosaurus brevis*\* vertebra, antero-lat. & ant. 1 s.d. & i. outline. Annot. \*No. 2545 c † *Cetiosaurus brevis* [? *Pelorosaurus conibeari*]\* c top 3 chevron bones, 2 incomplete, f.8b \*Nos 2548-50 c middle centrum, 3 views c bottom 4 associated ant. caudal vertebrae, lat.: \*No. 2544-2550 Fig. *Phil. Trans. R. Soc.* 140 1850 pl.22 f.7,8b. HOLOTYPE of *C. brevis* \*No. 2544
- 150 a-c † *Cetiosaurus hypöolithicus* bones in situ: 20 p. sketches Annot.
- 151 a † [Saurischia, unident.] 2 teeth & section: 5 s.d. b † *Megalosaurus* tooth serrations magnified: 2 s.d. Annot. † *Megalosaurus* [*bucklandi*] c incomplete m. & teeth, lat. e section B-B of c showing teeth: 2 w.d. c&e P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 3 *Palaeontogr. Soc. (Monogr.)* 1856 pl.12 f.1,2 d part of tooth B of c&e showing marginal serrations: 1 i. & wash d. f † *Megalosaurus*\* tibia, 2 views: 2 p.d. Annot. P: *l.c.* pl.9 \*No. 31809
- 152 † *Megalosaurus* [*bucklandi*]\* incomplete sk. & lower jaw, l. lat.: 1 engr. J. Erxleben lith. p. additions R.O. del. Annot. P: *Q. Jl geol. Soc. Lond.* 39 1883 pl.11 f.1,2. Casts - \*No. R332, R333
- 153 a † [*Iguanodon*]\* tooth, worn stump, in matrix, lat. & occ.: 2 w.d. \*No. 2394 b † *Hylaeosaurus* [? *Megalosaurus*] scapula [? pubis]: 1 s.d. Miss Holmes del. Annot. P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 3 *Palaeontogr. Soc. (Monogr.)* 1856 pl.5 f.1 c † *Hylaeosaurus*\* osseous remains in slab: 1 c.d. J. Dinkel del. Annot. P: *l.c.* Pt 4 1857 pl.4. HOLOTYPE \*No. 3775
- 154 † [*Iguanodon mantelli*]\* osseous remains in slab a i. & s. sketch G. Nibbs del. b completed c.d. J. Dinkel del. a,b both Annot. Maidstone Block \*No. 3791



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- 155 † [? *Iguanodon mantelli*] vertebra, incomplete a,c post. lat. & vent.: 3 s.d. Annot. b vertebra, incomplete, fronto-lat.: 1 wash d. Annot. d vertebra, end view: 1 wash d. e † [*Iguanodon mantelli*]\* 6 caudal vertebrae on slab & ant. view of single vertebra: 1 c. & 1 p.d. P: *l.c.* Pt 2 pl.8 \*No. 3790 f † [? *Iguanodon*] caudal vertebra, ant.: 1 i. diagram
- 156 † [Unident. ? Reptilia] a bones on slab: 1 w.d. † [*Cetiosaurus brevis*] vertebrae b end & lat. views: 2 s.d. c-e end, lat. & dors. views of same bone: 3 w.d. Annot. f,g † [Reptilia, unident.] vertebra, incomplete, post. & lat.: 2 w.d. Annot.
- 157 a1,5 † [*Hylaeosaurus*]\* tibia, 2 views P: *l.c.* Pt 3 1856 pl.5 f.2 \*No. 2615. a2 [? chevron bones] a3 [Unident.] a4 [? centrum] Annot. 5 s.d. b1,6 † [*Hylaeosaurus*]\* scapula, 2 views: \*No. 2584 b2,5 ? phalanges b3,4 centra 6 s.d. † *Iguanodon mantelli* c foot bones, 13 views: 12 s.d. & 1 p. outline d1-4 scapula\*, 3 views & sternum\*: 4 p.i. & s.d. \*Nos. 2196 scapula, 2218 sternum
- 158 Ornithischia & Saurischia a1 † [Unident.] phalange, lat. a2 † [*Megalosaurus dunkeri* [*M. owenii*]]\* metatarsals, lat. \*No. 2559 a3 † [Unident.] ? end view of metatarsal in a2. a4 † [? *Megalosaurus dunkeri* [*M. owenii*]] ? end view of a5. a5 † [*Megalosaurus dunkeri* [*M. owenii*]]\* 3rd l. metatarsal, lat. \*No. 2680 a6 † [Unident.] phalangeal: a7,8 † [*Megalosaurus dunkeri* [*M. owenii*]]\* unguis, dors. & lat. \*No. R 1105 P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 3 *Palaeontogr. Soc. (Monogr.)* 1856 pl.10 f.2 a9 † [? *Megalosaurus*]\* ? unguis phalanx, lat. ? P: *l.c.* Pt 3 pl.10 f.5 \*No. 2402 ? a11,12 † [*Iguanodon mantelli*]\* unguis bone, 2 views ? Fig.: Mantell, G. *Wonders of Geology* Lond. 1839 p.13 f.2 \*No. 3791 † [Unident.] a10 † unguis a13 unguis, vent. a14 unguis, lat. a15 † unguis, vent. a16 unguis, dors. a17 phalangeal a18 † [*Iguanodon*] metatarsal 4, lat. a19 † [Unident.] unguis, dors. a 19 s.d. J. Dinkel del. b1 † [*Iguanodon*] tooth, marginal serrations: Annot. P: Owen, R. *Odontography* Lond. 1845 pl.62 A f.5 e b2,3 † [*Iguanodon mantelli*]\* lower tooth: 2 views P: Lydekker, R. *Cat. Fossil Rept. Amph.* Lond. 1888 Pt 1 f.37 SYNTYPE \*No. 2392 b4,5 † [*Iguanodon*]\* tooth, labial & lingual: \*No. 2402 Fig: Mantell, G. A. 1839 *The Wonders of Geology* 1: 391 Tab. 82 f.4,5 b6-11 † [? *Iguanodon*] teeth b12,13 † [*Iguanodon mantelli*]\* tooth, 2 views Fig: *Phil. Trans. R. Soc.* 115 1825 pl.14 f.4a,4b. SYNTYPE \*No. 3388 b14-16 † [*Iguanodon*]\* tooth, 3 views: \*No. 2394 Fig: Mantell, G. A. 1827 *Illustrations of the geology of Sussex. . . . Fossils of Tilgate Forest* Lond. pl.17, f.2. b17-19 † [*Iguanodon mantelli*]\* tooth, 3 views. b18 P: Owen, R. *Odontography* Lond. 1840-1845 pl.62A f.5d \*No. 2382 b20 † [Reptilia, unident.] tooth, lat. b21,22 tooth, transverse section & lat. b23-27 † [*Megalosaurus bucklandi*] 3 teeth, 5 views b24-26 includes magn. edge P: *l.c.* pl.62 A f.6a-c b28-29 † [*Goniopholis crassidens*] tooth, 2 views: b29 P: *l.c.* pl.62 A f.9 a b30,31 † [? Crocodile] 2 teeth b32-34 † [*Hylaeosaurus*] tooth, 3 views b34 P: *l.c.* pl.62 A f.8 b b33 P: Mantell, G. A. *Wonders of Geology* Lond. 1839 pl.3 f.6 b35,36 † [*Crocodylus (Suchosaurus) cultridens*] tooth, 2 views P: Owen, R. *Odontography* Lond. 1840-1845 Atlas pl.62 A f.10 a,b b37 † [*Goniopholis crassidens*] tooth P: *l.c.* pl.62 A f.9 b b 37 s.d. J. Dinkel del. c † [Reptilia, unident.] c1 vertebra, lat. c2,3 vertebra, lat. & end c4,5 vertebra, lat. & ? vent. c6-9 † *Iguanodon* vertebrae c10-13 † *Cetiosaurus* vertebrae: 13 s.d. ? J. Dinkel del. d1 † [*Iguanodon*] medulla, cast d2-7 † *Poekilopleuron* [*Megalosaurus*] d2 cervical vertebra d3,4 vertebra, 2 views: Annot. d5 centrum d6,7 vertebra, 2 views: Annot. d8,9 † [*Cetiosaurus brevis*]\* caudal vertebra, vent. & lat. P: *Phil. Trans. R. Soc.* 140 1850 pl.23 f.10 a-c. \*No. 28646. † [Unident. ? Reptilia] d10,11 sacral vertebra, 2 views d12-15 4 vertebrae d 15 s.d. [J. Dinkel del.]
- 159 a † [*Iguanodon mantelli*]\* bones of Maidstone specimen arranged as plate, some labelled: i. outline d. of 39 bones. \*No. 3791 b † *Iguanodon* [mantelli]\* r. femur, distal end, 2 views: 2 s.d. Annot. P: Mantell, G. *The geology of the S.E. of England* Lond. 1833 pl.4 f.3,4. \*No. 2674 c † *Iguanodon* [mantelli]\* r. femur in matrix: 1 s.d. Annot. P: Mantell, G. *Wonders of Geology* Lond. 1839 pl.3 f.11. \*No. 2649
- 160 a1 † [? Archosaurian] centrum a2,3 † [Crocodylian] os frontis P: Mantell, G. *The geology of the S.E. of England* Lond. 1833 pl.2 f.5,1 & 6 a4,5 † [*Iguanodon mantelli*]\* r. ischium, 2 views: Annot. P: *l.c.* pl.4 f.1,2 \*No. 2158 b1,2 † [*Cylindricodon* [? *Hylaeosaurus*]] 2 teeth: P: *l.c.* pl.2 f.2 & 4 b3 † [*Megalosaurus dunkeri* [*M. owenii*]]\* unguis, lat.: P: *l.c.* pl.3 f.1 \*No. R 1105 b4,5 [*Iguana*] claw & unguis bone which it covered: P: *l.c.* pl.3 f.2,3 b6 † [? Reptilia] incomplete bone in matrix b7,8 † [? *Hylaeosaurus*] ? tibia, 2 views b9 † [*Iguanodon*] phalange b10 [? Reptilia] terminal phalange with sheath on matrix b11 † [*Iguanodon*] sternum P: *l.c.* pl.3 f.4 b 11 s.d. All G. Mantell del. c1,2 † [*Iguanodon mantelli*]\* r. fibula, 2 views: Annot. c1 P: *l.c.* pl.2 f.7. \*No. 2677 c3 † [? *Hylaeosaurus owenii*]\* r. ilium on matrix P: *Q. Jl geol. Soc.* 44 1888 p.53 f.3. \*No. 2150 a-c 19 s.d. G. Mantell del.
- 161 † [*Iguanodon*] a1 incomplete tooth in matrix a2 unguis phalange\*: Fig. as 'horn': Mantell, G.

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- The geology of the S.E. of England* Lond. 1833 pl.3 f.5 \*No. 2384 a3 ? chevron bone a4 [Unident.] bone a5 † [*Cetiosaurus brevis*]\* centrum, lat. in matrix: P: *l.c.* pl.2 f.5 \*No. 2239. SYNTYPE of *Ornithosaurus hulkei* [*Hoplosaurus armatus*] also HOLOTYPE of *Bothriospondylus elongatus* & Fig. Owen, R. . . . *Reptilia . . . Mesozoic Formations* Pt 2 *Palaeontogr. Soc. (Monogr.)* 1875 pl.7 b1,2 † *Iguanodon*\* tibia, 2 views b2 P: Mantell, G. *The geology of S.E. England* Lond. 1833 pl.2 f.8 \*No. 2678 b3 † [? *Hylaeosaurus*] end of long bone: All Annot. with measurements c1 † [*Iguanodon*] rib, incomplete c2 scapula: Annot. a-c 10 s.d. All G. Mantell del.
- 162 † *Iguanodon* a,b r. ramus of young specimen, labial & lingual, c same specimen, occ. & vent.: 4 s.d. [Miss Holmes del.] P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 2 *Palaeontogr. Soc. (Monogr.)* 1854 pl.11 f.1,2; pl.12 f.3,4. Annot. Booth Mus. of Nat. Hist. specimen
- 163 † [? *Reptilia*] a Cuckfield bone in matrix with magn. part: 1 s.d. [Miss Holmes del.] Annot. b vertebral centra, 7 views: 7 s.d. & 6 p.d. Annot. c † *Iguanodon* caudal vertebra, 5 views: 5 s.d. [Miss Holmes del.]. Annot. lithographs P: *l.c.* pl.9 f.1-5 † *Iguanodon* [mantelli] d scapula, humerus & coracoid: 6 s.d. [Miss Holmes del.] P: *l.c.* pl.14 f.1-6. Annot. e fibula, 6 views: 6 s.d. [Miss Holmes del.] P: *l.c.* pl.15 f. 3-7. Annot. f † [*Iguanodon*] post. caudal vertebra, dors. lat. & vent.: 3 s.d. & 3 outlines. Annot. d&e Booth Mus. of Nat. Hist. specimens
- 164 a † *Oudenodon bainii*\* sk. lat. 1 i. outline d. P: Owen, R. *Palaeontology*, Edinburgh 1861 f.96 & *Q. Jl geol. Soc. Lond.* 16 1860 pl.1 f.1 HOLOTYPE \*No. 36232 a2 † *Dicynodon* (*Ptychognathus*) *verticalis* [*Lystrisaurus murrayi*]\* incomplete sk. in matrix, r. lat.: 1 i.d. P: *l.c.* pl.1 f.2. \*No. 36224 HOLOTYPE of *P. verticalis* b † [*Dicynodon testudiceps*]\* incomplete cranium, 2 views [? pal. & lat.] 2 preliminary p. sketches P: *Trans. geol. Soc. Lond. (2)* 7 1856 pl.5 f.1. Annot. HOLOTYPE \*No. 47051 c † *Dicynodon* (*Ptychognathus*) [*Lystrisaurus*] *declivis*\* incomplete sk. r. lat.: 1 i.d. Annot. P: *Q. Jl geol. Soc. Lond.* 16 1860 pl.1 f.3. HOLOTYPE \*No. 36221 d † *Dicynodon* *lacerticeps*\* incomplete sk. & ramus, lat. & dors.: 2 i. outlines. Annot. P: *Trans. geol. Soc. Lond. (2)* 7 1856 pl.3,4. HOLOTYPE \*No. 36233
- 165 a *Lacerta agilis* incomplete skel. dors. pelvic girdle: 2 i.d. J. Dinkel del. b [? *Varanus*] hyoid apparatus: 1 c.d. Annot. c *Tupinambis* sk. & lower jaw, r. lat.: 1 i.d.
- 166 a † *Macellodus brodiei* individual teeth & incomplete dentary: 4 w.d. & lithograph b † *Macellodus brodiei* individual teeth, parts of ramus & ? vertebra: 7 w. & p.d. Annot. left P: Owen, R. . . . *Reptilia . . . Wealden Formations* Pt 5 *Palaeontogr. Soc. (Monogr.)* 1861 pl.8 f.10 c † [*Echinodon*] [*Saurechinodon*] *becklesi*\* individual teeth & parts of upper & lower jaws in matrix: 8 w.d. Annot. P: *l.c.* pl.8 f.1,2,6,7,8. \*No. 48214 d † [? Thecodont] dentary & teeth of r. ramus & 2 individual teeth, lat.: 4 w.d., 5 p. sketches G.S. del. Annot. e † *Rhincosaurus* [*Rhynchosaurus*] sk. fragment: 1 p.d. f † Wealden lizard [Unident.] vertebral fragments: 3 w.d. Annot. g † [? *Mammalia*] femur in matrix: 1 w.d. Annot. h † *Rhincosaurus* [*Rhynchosaurus*] ant. part of sk. r. lat.: 1 w.d. i † [Vertebrate ? *Reptilia*] bone fragments in matrix: 1 w.d. Annot.
- 167 a † [Mosasauridae] teeth & transverse section: 5 w.d. Annot. b † *Coniosaurus* [*Coniasaurus*] incomplete skel. in matrix: 1 i.d. Annot. c † *Mosasaurus* dentary, lat.: 1 i.d. d † *Liodon anceps* tooth, transverse section, magn. 1 c.d. S. W. Leonard del. e † *Dolichosaurus longicollis*\* vertebral column in matrix: 1 w.d. P: *Trans. geol. Soc. Lond.* 6 1842 pl.39 f.4. \*No. 32268
- 168 a † *Protosaurus speneri* skel. in matrix: 1 c.d. J. Dinkel del. Annot. Described in Dobson, J. *Desc. Cat. Physiol. Ser. in Hunterian Mus. R. Coll. Surgeons of England*. Lond. 1971, p.215 Cat. No. 308 b † *Leptopleuron* [*elginense*]\* 4 incomplete skel. in blocks: 4 c.d. J. Dinkel del. Annot. P: *Q. Jl geol. Soc. Lond.* 8 1852 pl.4 Cast \*No. 28244
- 169 a [*Chamaeleo*] 2 animals in bush: 1 w.d. Zeitter del. Annot. b [Chameleon] head with tongue extended & forelimb, l. lat.: 1 p.d. R.O. del. Annot. c *Ceratophora aspera* head, l. lat. d *Ceratophora stoddartii* head, r. lat. e *Phrynosoma regale* [*solare*] head, frontal. c-e 3 c.d. A. B. W. del. Annot. P: *Phil. Trans. R. Soc.* 171 1880 pl.37 f.5-8 f *Moloch horridus* caudal horns, dors. lat. & vent.: 3 p.d. P: *l.c.* 172 1881 pl.66 f.4-6. Annot. g *Moloch* [*horridus*] vertebrae, lat. dors. & ant.: 3 c.d. Annot. P: *l.c.* 171 1880 pl.34 f.3,4 h *Moloch horridus* h2 ? head h3,4 sk. dors. & vent. h5 sk. frontal unnumbered sk. oblique & vent.: 6 w.d. G. M. W. & A. B. W. del. Annot. P: *l.c.* pl.37 f.2-5 i-j *Siren lacertina* diss. of hearts: 2 w.d. R.O. del. P: *Trans. zool. Soc. Lond.* 1 1835 pl.31 f.2,3
- 170 a-c *Lacerta agilis* diss. vent. to show internal anatomy of ♀ & ♂: 3 w.d. I. G. C. or I. S. C. del. Annot.
- 171 a † *Glyptodon asper* caudal segment showing exo- and endoskeleton, ant.: 1 p.d. Annot. P: *Phil. Trans. R. Soc.* 172 1881 pl.65 f.5 b † [*Megalanina prisca* [*Marsupialia unident.*]] metapodial, 4 views: 4 s.d. Annot. P: *l.c.* 177 1886 pl.14 f.5-8 [see also Smith Woodward *Ann. Mag. nat. Hist.*

## Folio

- (6) 1 1888:89] c † *Meiolania platyceps* bone fragments: 1 p.d. Annot. d-f † [*Meiolania*] pelvic bone, 3 views: 3 p.d. Annot. P: *l.c.* pl.32 f.1-3 g † [*Meiolania platyceps*] tail: 1 p.d. Annot. \*No. R679 h † [*Meiolania minor*] occipital segment of sk. post.: 1 p.d. Annot. P: *l.c.* pl.29 f.1 i † *Meiolania* sk. part: 1 p.d. Annot. j † [*Megalania prisca* [Marsupialia unident.]] metapodials & phalanges: 10 s. & i.d. some P: *l.c.* pl. 15 f.10-18 b&j M3659-60
- 172 † [*Megalania prisca* [*Meiolania oweni*]]\* a caudal segment, ant. plus other fragments: 1 photo. b tail, 4 terminal exoskeletal segments, dors. c as b lat.: 2 photos. Drawings based on these P: *l.c.* 179 1888 pl.64,65 a-c \*No. R 392 d,f † [*Meiolania platyceps*] terminal caudal segments, lat.: 3 photos. Drawings based on e,f P: *l.c.* pl.37 f.2,1 e Annot. g exo- and endoskel. of caudal segment, ant.: 1 photo. d-g \*No. R 908
- 173 a-d † *Megalania* [*Meiolania oweni*] parts of caudal vertebra: 4 photos a,c Fig. *l.c.* 171 1880 pl.37,38. \*No. R 391
- 174 a † *Megalania prisca* [*Meiolania oweni*] caudal segment showing exo- & endoskel. parts, ant.: 1 w.d. J. Erxleben del. P: *l.c.* 172 1881 pl.64. \*No. R 392 b † [*Meiolania platyceps*] incomplete sk. post.: w.d. P: *l.c.* 179 1888 pl.34 Cast \*No. R 907
- 175 † *Megalania prisca* [*Meiolania oweni*] 4 terminal exoskeletal segments of tail, lat.: 1 wash d. J. Erxleben del. P: *l.c.* 172 1881 pl.65 f.1. \*No. R 392
- 176 † *Megalania prisca* [*Meiolania oweni*] terminal exoskeletal segments of tail, dors.: 1 wash d. J. Erxleben del. P: *l.c.* pl.65 f.2. \*No. R 392
- 177 † *Megalania prisca* [*Meiolania oweni*] terminal exoskeletal segments of tail, vent.: 1 wash d. J. Erxleben del. P: *l.c.* pl.65 f.3. \*No. R 392
- 178 † *Megalania prisca* [*Meiolania oweni*] caudal vertebra oblique dors.: 1 c.d. ?P: *l.c.* 171 1880 pl.37 f.1. \*No. R 391
- 179 a † *Belodon kappfi* [*Phytosaurus cappfi*] sk. & m. 1. lat.: 1 photo by G. Wolf b,c *Crocodylus suchus* [*Crocodylus niloticus*] sk. dors. & pal.: 2 s.d. Annot. P: Owen, R. . . *Reptilia* . . . *London Clay Pt 2 Palaeontogr. Soc. (Monogr.)* 1850 pl.1 f.1,2
- 180 † *Teleosaurus* a vent. scutes b vertebral column, ribs & scutes: Annot. c † *Teleosaurus cadomensis* ? occipital region d † *Teleosaurus gracilis* [*Aeolodon priscus*] fragment of occipital region, scutes & bones e,f † *Teleosaurus* [*cadomensis*] sk. dors. & vent.: Annot. 6 pen & w.d.
- 181 a † *Teleosaurus* [*Steneosaurus*] atlas vertebra, 2 views: 2 s.d. Annot. b † *Teleosaurus* [*Steneosaurus chapmanni*] sk. vent.: 1 w.d. Annot. c † *Teleosaurus* vertebra, l. lat.: 1 s.d. Annot. d † *Teleosaurus* [*Steneosaurus*] *latifrons* sk. & m., ant. parts: 4 i. & w.d. Annot. e † *Teleosaurus gracilis* sk. & m. on slab, ant. portion, l. lat.: 1 p.i. & w.d. Annot.
- 182 *Crocodylus* [*Crocodylus*] a,c,d,e vertebrae, lumbar, dors. & cervical: 5 outline d. Annot. b sk. showing elements, l. lat.: 1 c.d. P: Owen, R. *Anatomy of Vertebrates* Lond. 1866 1 p.145 f[?] [*Crocodylus*] complete animal, l. lat.: 1 p. & w.d. C. H. S. del. Annot.
- 183 † *Crocodylus* [*Crocodylus*] a vertebra, sacral b vertebra, 2 views: 3 w.d. Annot. c *C. biporcatus* caudal vertebra, lat. & vent.: 3 w.d. G.S. del. Annot. d † *Teleosaurus* [*Steneosaurus*] & *Steneosaurus* vertebrae: 8 p. & wash d. Annot.
- 184 a † *Crocodylus* [?] [*Diplocynodon*] jaw, lat.: 2 i.d. A. P. Falconer del. Annot. b † *Crocodylus hastingsiae* [*Diplocynodon hantoniensis*] pterygoid region: 1 p.d. P: Owen, R. . . *Reptilia* . . . *London Clay Pt 2 Palaeontogr. Soc. (Monogr.)* 1850 pl.6 f.3 c,d † Crocodile lower m. & tooth, l. lat. & occ.: 4 p.d. Annot.
- 185 a,b † [?] [*Crocodylus hastingsiae* [*Diplocynodon hantoniensis*]] ? post. view of cranium: 2 w. & p.d. cf. *l.c.* pl.6 f.2 c † *Goniopholis* [*crassidens*] incomplete lower m. occ.: 1 p.d. Annot. P: Owen, R. . . *Reptilia* . . . *Wealden Formations Suppl. 8 Palaeontogr. Soc. (Monogr.)* 1878 pl.1 f.5
- 186 † *Teleosaurus* [*Steneosaurus*] *chapmanni* a vertebrae b incomplete sk., dors.: 3 pen & w.d. Annot.
- 187 † *Teleosaurus latifrons* [?] [*Steneosaurus*] a,b,d,e sk. & lower m. ant. portion, lat. & dors. & sections: 8 pen & wash d. T. L. Shuckard del. Annot. c † ? *Teleosaurus* lower m. of young ? 1 pen & wash d. Annot.
- 188 † *Teleosaurus latifrons* [?] [*Steneosaurus*] sk. ant. part, dors. & vent. & sections: 5 pen & wash d. T. L. Shuckard del. Annot.
- 189 [Crocodylia] a [Unident.] diss. 1 p. & wash d. Annot. b *Crocodylus* [*Crocodylus niloticus*] glottis, closed & open: 2 c.d. R.O. del.
- 190 † Crocodile ant. part of maxilla, pal. dors. & lat.: 1 engr. De la Beche del., C. H. Hullmandel lith. Annot.
- 191 a *Crocodylus biporcatus* [*Crocodylus porosus*] section of sk. to show tympanic cavity: 1 p.d. P: *Phil. Trans. R. Soc.* 140 1850 pl.41 f.4 b *Gavialis gangeticus* vertical section of sk.: 1 p.d. P: *l.c.*

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- pl.42 f.9 c *Crocodylus* [*Crocodylus*] *acutus* sk. diss. showing emergence of endocarotids: 1 prelim. p. & c. sketch. P: *l.c.* pl.40 f.3 d *Crocodylus biporcatus* [*Crocodylus porosus*] vertical section of cranium: 1 p.d. P: *l.c.* pl.42 f.8 e,f *Crocodylus* [*Crocodylus*] *acutus* e part of cranium & vertebral column, diss. of injected preparation to show carotids: 1 p. & c.d. P: *l.c.* pl.40 f.2 f diss. of cranium to show eustachian canals: 1 p.d. P: *l.c.* pl.41 f.7 g *Crocodylus biporcatus* [*Crocodylus porosus*] sk. basal portion showing foramina: 1 p.d. P: *l.c.* pl.40 f.1 h *Alligator lucius* [*mississippiensis*] palate, section, 2 views: 2 p.d. P: *l.c.* pl.41 f.5,6
- 192 a *Crocodylus* [*Crocodylus*] *acutus* loop of trachea: 1 p. sketch R.O. del. b *Crocodylus* [*Crocodylus*] heart diss.: 3 c.d. R.O. del. Annot. P: Owen, R. *Anatomy of Vertebrates* Lond. 1866 1 f.339,340 c-e autograph description of parts of heart
- 193 a,b † *Goniopholis crassidens*\* skel. remains in blocks: 2 i. sketches G. Nibbs del. Annot HOLOTYPE \*No. 3798
- 194 a,b † *Goniopholis crassidens*\* skel. remains in blocks: 2 c.d. J. Dinkel del. Annot. P: Mantell, G. A. *Wonders of Geology* Lond. 1839 pl.1. HOLOTYPE \*No. 3798 & 3799
- 195 † *Crocodylus* [*Crocodylus*] *physiognathus* a sk. pal. b l. lower ramus, post. portion, lat. c l. lower dentary, labial d entire l. ramus, labial: 4 photos of d. O. Roland del. Annot.
- 196 1,2 † [*Steneosaurus*] 2 sk. dorso-lat. 3,4 † [Crocodylia] incomplete lower jaw, vent.: incomplete sk. pal. 5,6 † [*Goniopholis*] ant. ends upper jaws, pal. 7 † [Reptilia unident.] ant. ends of jaws with teeth, l. lat.: 7 p.d. Kaup del.
- 197 *Crocodylus* [*Crocodylus*] *acutus* sk. sagittal section, l. lat.: 1 p.d. P: Owen, R. & Bell, T. . . *Reptilia* . . . *London Clay Pt 2 Palaeontogr. Soc. (Monogr.)* 1849 f.10 p.25
- 198 † *Crocodylus hastingsiae* [*Diplocynodon hantoniensis*]\* a sk. ant. portion, dors. b sk. ant. portion & m. r. lat. c sk. as b l. lat.: 3 p.d. J. Erxleben del. P: *l.c.* pl.6 f.1; pl.7 f.1. \*No. 30393 – one of the SYNTYPES of *C. hastingsiae*
- 199 † *Crocodylus hastingsiae* [*Diplocynodon hantoniensis*]\* sk. part, pal.: 1 p.d. P: *l.c.* pl.7 f.2. \*No. 30393 – one of the SYNTYPES of *C. hastingsiae*
- 200 a † *Pterosaur* [Pterosaurian unident.] individual bones: 32 p.d. Annot. b † [*Dimorphodon macronyx*] sk. l. lat.: i. outline d. ? orig. d. for reconstructed sk. P: Owen, R. . . *Reptilia* . . . *Liassic Formations Pt 2 Palaeontogr. Soc. (Monogr.)* 1870 pl.20 † [Pterosaurian] c incomplete dentary, lat.: Annot. d incomplete dentary & ? jaw fragment, lat.: Annot. e same as d occ.: Annot. f part of lower jaw: Annot. g reconstructed lower jaw, occ. & fragments. Annot. All p.d. h1–6 † [*Pterodactylus sedgwickii*] 1–5 views of same cervical vertebra h7–12 † [*Pterodactylus fittoni*] cervical vertebrae h13–14 † *P. sedgwickii* h15–21 † *Pterodactylus* dors. vertebrae h22 [*Aptenodytes patachonica* [*patagonica*]] 4th dors. vertebra h23 † *Pterodactylus bucklandi* rib h24–26 † [*P. sedgwickii*] sacral vertebrae h27 † [*P. indet.*] centra & sacral vertebrae h28–31 † [*P. sedgwickii*] atlas & axis vertebrae h32–34 † [*P. fittoni*] atlas & axis vertebrae h35 † [*P. sedgwickii*] ant. caudal vertebra h36 missing h37–39 † [*P. bucklandi*] cervical vertebra, 3 views: 39 w.p. & i.d. R.O. & J. Dinkel del. P: *Phil. Trans. R. Soc.* 149 1859 pl.10 f.1–39
- 201 a † *Pterodactylus raptor*\* part of ramus in matrix, l. lat.: 1 s.d. Annot. b bone surface magnified ×40: 1 s.d. Annot. c † *Pterodactylus scolopaceps* [? *kochi*] specimen in matrix, l. lat.: 1 engr. Annot. d † *Pterodactylus* (*Dimorphodon*) *macronyx*\* sk. & parts of skel. in matrix: 1 w.d. R.O. del. P: Owen, R. . . *Fossil Reptilia* . . . *Liassic Formations Pt 2 Palaeontogr. Soc. (Monogr.)* 1870 pl.17. \*No. R 1035
- 202 a † Pterodactyl, 3 bones, lat.: 4 p.d. Annot. b † [unident.] ? phalange, lat. & end: 2 p.d. Annot. c † ? Pterodactyl ? phalange, lat.: 2 p.d. Annot. d [? Pterodactyl] 1st & 2nd phalanges: 4 p. & i.d. Annot. e † [? Pterodactyl] bones, lat.: 2 p. & i.d. Annot. f † [? Pterodactyl] tibia, oblique: 2 p.d. Annot. g † Pterodactyl, ? ischium: 1 p. & w.d. Annot. h † Pterodactyl bone, lat. & end: 3 p.d. Annot. i † [unident.] ? radius, lat. & end: 4 p.d. Annot. j † [unident.] 2 bones: 2 p.d. Annot. k † [unident.] 2 bones, lat. & end: 6 p.d. Annot. l † Pterodactyl 2 bones: 3 pen, i. & p.d. Annot.
- 203 † *Ramphorhynchus meyeri* [[*Ramphorhynchus*] ? *gemmingi*]\* vertebrae, hind limbs, lat.: teeth & symphysis of lower jaw, occ.: 1 p.d. P: *l.c.* pl.19 f.5,6 [HOLOTYPE of *R. meyeri* Owen \*No. 37003]
- 204 † *Ramphorhynchus* [*Ramphorhynchus*] sk. & limb bones in matrix: 1 p. & wash d. Annot.
- 205 † ? Reptilia impression of footsteps and a fossil reed: 1 engr. (13 f.) Henry Dircks engr. Annot.
- 206 a † Emydian pubis, 2 views: 2 p.d. M. Buckland del. Annot. b Autograph description of a
- 207 a † [*Sauroidesmus robertsoni*]\* r. humerus in matrix: 1 w.d. Annot. HOLOTYPE \*No. 28877 Fig: Seeley, H. G. *Q. Jl geol. Soc.* 47 1891 : 168 b † ? Crocodile metatarsus in matrix 1 wash d. Annot. c † [*Chelonia* [*Eosphargis*] *gigas*] humerus, proximal: 1 c.d. 5 p. sketches. J. S. del. Annot. † *Chelone*

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- [*Chelonia*] *mydas*, † *Platemys* [*Emys*] *bowerbankii*, † *Chelonia* original p. sketches for Owen, R. & Bell, T. . . . *Foss. Rept. Lond. Clay Pt 1 Palaeontogr. Soc. (Monogr.)* 1849 pl.29
- 208 a † *Platemys* [*Emys*] *bowerbankii* scutes: 1 p. sketch R.O. del. original sketch for Owen, R. & Bell, T. *l.c.* pl.23. HOLOTYPE b † *Tretosternon punctatum* scutes: 1 s.i. & wash d. C. R. Bone del. Annot. c † *Emys testudiniformis*\* carapace & plastron, incomplete, ant.: 1 p. & wash d. Annot. P: *l.c.* pl.24 f.6. HOLOTYPE \*No. 39767 a probably lost, see Lydekker 1889 3 : 171
- 209 a † *Chelonia platygnathus* [? *Lytoloma planimentum*] m. in matrix, vent.: 1 w.d. Annot. b † *Chelonia platygnathus* altered to *planimentum*\* imperfect sk., dors.: 1 w.d. Annot. Cast of HOLOTYPE of *L. planimentum* \*No. R 1483 P: *l.c.* pl.9 f.1,2
- 210 a *Chelydra serpentina* [*Chelys fimbriata* [*Chelus fimbriatus*]] heart, diss.: i. & w.d. R.O. del. P: Owen, R. *Anat. of Vertebr.* Lond. 1866 1 f.336 b *Testudo* [*Chitra indica* head, vent. diss. muscles b verso head, l. lat.: Annot. c [Chelonian unident.] pelvic region muscles, vent. diss. d pectoral region muscles, vent. diss.: a-d 4 p.d. Annot. e,f [Chelonian unident.] complete animal, dorso-lat. & ventro-lat.: 2 c.d.
- 211 *Chelonia* [*Eretmochelys imbricata*] a,b gut c carapace d diss. specimen, vent. e plastron, vent. f r. forelimb, vent. g ventro-lat. h r. hind limb, vent.: 8 p.d. e,g,h with wash. W.C. del. Annot.
- 212 a-g † *Palaeochelys novemcostatus* sk. & carapace fragments: 7 photos of d. signed O. Roland
- 213 a-d † *Palaeochelys novemcostatus* skel. remains including carapace, dors. vent. & lat.: 4 photos of d. signed O. Roland. Annot. P: description Valenciennes, A. C. R. *Acad. Sci. Paris* 56 1863 : 317-318
- 214 † [Chelonian, unident.] carapace & skel. l. lat.: 2 c.d. G.S. del. Annot.
- 215 a *Python* tongue, diss.: 1 p.d. b [Unident. ? *Python*] head, myology, lat. vent.: 2 crayon d. c [Snake, unident.] urinary system: 1 p.d. Annot. *Python tigris* [*molurus*] d head diss., vent.: 1 w.d. R.O. del. e head diss. & myology, vent. f myology of claspers: both w.d. R.O. del. Annot.
- 216 a-d *Python* heart, 4 diss.: 4 c.d. R.O. del. Annot.
- 217 a,b *Coluber* 2 w. & i.d. b Annot. P: Russel, P. *Indian Serpents* Lond. 1801 pl.24,33
- 218 † [*Coelodonta antiquitatis*]\* a,b sk. lat. pal. c upper tooth row, pal.: 3 p. sketches Annot. \*No. 46085
- 219 † [Plesiosaurian] vertebra, 5 views: 5 p.d. Annot.
- 220 † [Plesiosaurian] vertebrae & ribs in matrix: 1 p.i. & wash d. on tracing linen. Annot.
- 221 † [Plesiosaurian] 9 vertebrae: 1 i. & wash d. Annot.
- 222 a † *Coelorhynchus* [*Cylindracanthus*] *rectus* part with 2 outlines of cross-sections b † *Pristis lathami* [*bisulcatus*] part in matrix: 2 hand c. lithogr. G. Severyns del. et lith. Annot. a Fig. *Encyclopaedia Britannica* Edinburgh 8th ed. 17 1858 : 128 f.62
- 223 † [Plesiosaurian] sk. parts with teeth in matrix: 1 wash d. Annot.
- 224 a *Elephas indicus* [*maximus*] & rhinoceros in zoo: 1 i. sketch b *Elephas indicus* [*maximus*] r. lat.: 1 wash d.
- 225 *Homo sapiens* skel. frontal: 1 pen & wash d. Swartzfager del.
- 226 *Homo sapiens* portraits of heads a Antis, Peru, r. lat.: 1 p.d. b Durabi, New Guinea: 1 w.d. c Indigenous N. American: 1 w.d. d Sensi Indian, Peru, l. lat.: 1 w.d. e Darnley Islander, New Guinea: l. lat.: 1 w.d. f S. American Indian, ? Antis, Peru, l. lat.: 1 p.d.
- 227 *Homo sapiens* sk. a ♂ native Andaman Is. r. lat.: 1 p.d. bI Juvenile of Georgia, King George's Sound bII Adult of St. Vincent Id, W.I.: lithograph, P. Camper del. J. Newton lith. Annot.
- 228 *Homo sapiens* a sk. artificially deformed, l. lat.: 1 w.d. W.C. del. Annot. b,c normal sk. frontal & l. lat.: 2 w.d. W.C. del.
- 229 *Homo sapiens* from Bellars Nap a 2 crania, dors. b sk. & lower jaw, r. lat. c 5 lower jaws, occ.: 3 photos. Annot. d *Homo* from Abbeville, half m. lat.: 1 i. sketch M. O. Dimpree del. Annot. e *Homo* cranial vault, l. lat.: f *Homo sapiens neanderthalensis* head, l. lat. Both photos. Annot.
- 230 *Homo sapiens* cranium, incomplete a dors. b frontal c l. lat.: 3 photos. Brain of microcephalic ♀ 42 years d dors. e vent.; sk. of above f frontal g l. lat. d-g 4 photos by R. T. Gore Annot. Photos described in *Anthrop. Rev.* 1 1863: 168
- 231 *Macaca nemestrinus* [*nemestrina*] a vertebrae, dorsal 10-12 & lumbar 1-4, l. lat.; vertebrae 10 & 11, dors. view: 3 p.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.45 f.3,4 b vertebrae, dorsal 10-12 & lumbar 4, dors.: 1 s.d. P: *l.c.* pl.44 f.2 c *Homo sapiens* vertebrae, dorsal 10-12, lumbar 1-3, l. lat.: 1 s.d. P: *l.c.* pl.44 f.1
- 232 [*Homo sapiens*] a tibia & fibula: 1 charcoal & wash. d. Andre del. b immature sk. diss. l. lat.: 1 c.d. c diss. showing facial nerves l. lat.: 1 w.d. C. Bell del.

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- 233 [*Pan troglodytes*] a party of three: 1 c. engr. G.S. del. & lith. Annot. b standing specimen, frontal: 1 engr. B. Gravelot del. Scotin lith. Annot.
- 234 *Simia* [*Pan*] *troglodytes* a skel. of adult, l. lat. Annot. b skel. of young, l. lat. Annot. Both p.d. P: *Trans. zool. Soc. Lond.* 1 1835 pl.48 c *Simia satyrus* [*Pongo pygmaeus*] skel. of juvenile, l. lat.: 1 p.d. Annot. P: *l.c.* pl.49
- 235 *Simia satyrus* [*Pongo pygmaeus*] a skel. of adult ♂ l. lat. Annot. b skel. of adult ♂, frontal: Annot. c *Pan troglodytes* skel. of adult, frontal: Annot. 3 p.d. R.O. del. P: *l.c.* pl.49,50
- 236 *Troglodytes niger* [*Pan troglodytes*] a ♂ standing, frontal b head of ♂ r. lat.: 2 crayon d. J. Zeitter del.
- 237 *Simia satyrus* [*Pongo pygmaeus*] a,b sk. l. lat. to show development: 2 p. & i.d. R.O. del. Annot.
- 238 a [*Gorilla*] cranium, frontal: 1 p.d. b [*Pongo pygmaeus*] sk. of ♂ r. lat. & frontal of incisors & canines: 2 w.d. Annot.
- 239 *Simia syndactyla* [*Symphalangus syndactylus*] sk. & m. a frontal b l. lat. c sk. only, pal.: 3 pen & i.d. T. Rymer Jones del.
- 240 *Simia satyrus* [*Pongo pygmaeus*] a sk. of adult ♂, pal.: 1 p.d. Annot. b sk. & lower jaw, l. lat.: separate teeth: 1 pen, i. & wash d. T. R. Jones del. c sk. & lower jaw, frontal: 1 p.d. Annot. d sk. of adult ♂, dors.: 1 p.d. Annot.
- 241 *Simia satyrus* [*Pongo pygmaeus*] sk. a post. Annot. b ♂ pal. Annot. c sk. & lower jaw, l. lat. Annot. 3 w.d. R.O. del.
- 242 Sk. & m. a top [*Pongo pygmaeus*] l. latero-frontal: a lower [*Pan troglodytes*] immature, l. lat. b *Simia* [*Pan*] *troglodytes* l. lat.: R.O. del. P: *l.c.* pl.55 c *Simia* [*Pan*] *troglodytes* ♀ r. latero-frontal: G.S. del. a-c 4 w.d.
- 243 *Simia* [*Pan*] *troglodytes* a sk. adult ♀ l. lat. & 7 teeth of young b sk. adult pal. & outlines of 7 teeth: 4 p. & w.d. R.O. del. P: *l.c.* pl.51,52
- 244 *Simia satyrus* [*Pongo pygmaeus*] sk. adult a fronto-lat. b l. lat.: 2 w.d. G.S. del. P: *l.c.* pl.53
- 245 [Subfamily Colobinae] a sk. l. lat. & tooth rows: 9 p. & w.d. W. Taylor del. b ? *Cercocebus* sk. immature l. lat. & pal.: 4 i. & w.d.
- 246 a *Gorilla* sk. immature, frontal & pal.: 2 p.d. E. Deslongchamps del. Annot. b [*Pongo pygmaeus*] sk. immature, frontal: 1 p.d. R.O. del. P: *l.c.* pl.56 f.3 c *Simia satyrus* [*Pongo pygmaeus*] adult ♀ sk. frontal: 1 p.d. R.O. del. P: *l.c.* pl.56 f.4 d *Pongo pygmaeus* sk. l. lat.: 1 p.d. R.O. del. Annot. e *Pongo pygmaeus* sk. l. lat.: 1 p.d. R.O. del. Annot.
- 247 *Simia satyrus* [*Pongo pygmaeus*] a-c sk. adult, post.: 3 p.d. b Annot. d m. of adult, occ. of l. half: 1 p.d. e sk. young, post.: 2 p.d. f sk. young, occ. of milk & permanent dentitions in alveoli: 2 p. & w.d. g individual teeth of young & adult: 17 p. & w.d. a-g All R.O. del. a,e P: *l.c.* pl.56 f.8,7
- 248 *Simia* [*Pan*] *troglodytes* sk. young a frontal b post. c pal. d,e sk. adult d frontal e post.: 5 p.d. R.O. del. a,b,d,e P: *l.c.* pl.56 f.1,5,2,6
- 249 *Simia satyrus* [*Pongo pygmaeus*] a brain, dors. & vent.: 2 pen & wash d. R.O. del. b [Unident. probably primate] 2 brains, vent. & dors. of each: 4 pen & wash d. W.C. del. c *Simia* [*Pan*] *troglodytes* brain, dors. & vent.: 2 pen & wash d. R.O. del. Annot.
- 250 a,b *Troglodytes* [*Gorilla*] *gorilla* ♂ lying & sitting, lat. & post.: 4 crayon sketches a P: *l.c.* 5 1865 pl.46 f.1,2
- 251 a,b *Troglodytes* [*Gorilla*] *gorilla* limbs of live specimen: 16 crayon sketches P: *Trans. zool. Soc. Lond.* 5 1865 pl.46 f.3-6
- 252 *Troglodytes* [*Gorilla*] *gorilla* a,c,f,h sk., frontal, lat. occ. d,e head, r. lat., frontal b,i hands and feet, dors., vent. g young specimen, lying: 9 photos, parts P: *l.c.* pl.47 f.1-7
- 253 a *Pan troglodytes* pelvis, dors. b [*Homo*], *Simia satyrus* [*Pongo pygmaeus*], *Ateles*, *Hyaena vulgaris* [*hyaena*], *Mongusta tetradactyla* [*Bradypus* [*Choloepus*] *didactylus*] l. manus skel., dors.: 6 p.d. R.O. del. P: Owen, R. *Anat. Vertebr. Lond.* 2 1866, p.306 f.191
- 254 *Simia satyrus* [*Pongo pygmaeus*] a,b head musculature, r. lat.: 2 w.d. W. Martin del. c sternum & pelvis: 2 w.d. R.O. del. Annot.
- 255 [? Hominoidea] a,b forearm diss. muscles, tendons: R.O. del. c ? l. manus: W. Martin del. 3 w.d.
- 256 [*Daubentonia madagascariensis*] a Whole ♂, frontal b heads and hand, l. lat. c whole animal, dorso-lat.: 3 w.d. J. Wolf del. P: *Trans. zool. Soc. Lond.* 5 1863 pl.16-18
- 257 *Daubentonia madagascariensis* ♂ skel. r. lat.: 1 p. & w.d. J. Wolf del. P: *l.c.* pl.19.
- 258 *Daubentonia madagascariensis* a living specimen: 2 i. & wash sketches R.O. del. b bones of manus: 1 i. sketch c r. manus & pes, palmar: 3 crayon d. d head, manus & pes: 10 p. & crayon d. J. Wolf del. P: head only *l.c.* pl.22 f.1

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- 259 *Daubentonia madagascariensis* a,c forelimb muscles, diss.: 2 p. & i.d. Annot. b1 forelimb & neck muscles b2 brachial artery: 2 w.d. J. Erxleben del. & lith. P: *l.c.* pl.23,22
- 260 *Daubentonia madagascariensis* a,b forelimb muscles, diss.: 2 p. & w.d. J. Erxleben del. P: *l.c.* pl.23 f.1,2
- 261 *Daubentonia madagascariensis* a,b hind limb muscles, urinogenital system & unident. part, diss.: 5 p. & w.d. J. Erxleben del. P: *l.c.* pl.24,25
- 262 *Daubentonia madagascariensis* a,b hind limb muscles, diss.: 2 pen p. & w.d. J. Erxleben del. P: *l.c.* pl.25 f.2,3
- 263 *Chiromys* [*Daubentonia*] *madagascariensis* a brain, vent. lat. & dors. b brain, diss.: palatal ridges, tongue & pharynx. diss.: 8 p. & w.d. c larynx, trachea & lungs d gut 3 w. & i.d. P: *l.c.* pl.24,22,26
- 264 a *Felis* incomplete skel. l. lat.: 1 wash d. R. Pope del. Annot. b [*Panthera leo*] hind toe, anat.: 1 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 3 1868: 70 c fore toe; anat.: 1 p.d. d *Felis* [*? concolor*] sk.: 1 s.d. e *Felis concolor* dors. vertebrae, l. lat. & dors.: 3 p. & s.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.45 f.5-7
- 265 a Sea otter [*Enhydra lutris*] pancreas: 1 p. & w.d. A. B. del. Annot. b *Felis catus* (kitten) pancreas, stomach, spleen, duodenum: 1 p. sketch c [*Panthera leo*] stomach: 1 p.d. ? Perand del. Annot. d [*Felis*] stomach, lat.: 1 p. & w.d.
- 266 † [*Smilodon neogaeus*\*] a,c r. ramus, occ. & lat. b sk., dors. d mandible, frontal e sk. post. mandible, frontal f sk. pal.: 7 p. & w.d. G.S. del. [sk. \*No. 21000g mandible No. 21000h]
- 267 *Hyaena* [*Crocota crocata*] sk. r. lat.: 1 p.d. W.C. del.
- 268 a † *Canis* ? *lupus* carnassial tooth 3 w.d. Annot. b [*Canis familiaris*] sk. l. lat.: 3 p.d. Annot. c upper † *Hyaenodon leptorhynchus* [*cf. minor*]\* r. ramus, r. lat.: 1 p. sketch P: *Ann. Sci. nat. Zool.* (2) 11 1839 pl.2 f.1. \*No. 29752 c lower † *Hyaenodon* ? *brachyrhynchus* and *H. pachyrhynchus* l. rami, lat.: 3 p. & i. sketches d Annot. e † *Entemnodon* [*Hyaenodon*] *euryrhynchus* [*cf. minor*]\* r. ramus, lat.: 2 p. & i. sketches, Hastings del. Annot. \*No. 29752 photo. in *Bull. Br. Mus. nat. Hist.* (Geol.) 23 1973 pl.5 f.1,2 f † [*Canis palustris*]\* sk. in matrix l. lat., foot & tail vertebrae. HOLOTYPE of *Galecynus oeningensis* Owen 1847. \*No. 27402. P: *Trans. geol. Soc. Lond.* 3 1835 pl.34 [*Canis*] lower r. tooth row, lingual: r. forefoot, dors.: 6 p.d. L. Aldous del.
- 269 a *Halichoerus grypus* and *Phoca vitulina* rami, lingual: 2 p. & wash d. W.C. del. b † *Trichecus* [*Odobenus*] *rosmarus*\* lower jaw, ant., antero-dors. & l. lat.: 3 p.d. T. Wright del. Annot. \*No. 46134
- 270 a [*Odobenus rosmarus*] heart: 1 p. sketch b *Phoca* (*Leptonyx*) *serridens* [*Hydrurga leptonyx*] 3 dors. vertebrae, oblique: 1 p.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.46 f.8
- 271 a *Ursus* [*Thalarchtos*] *maritimus* sitting, l. lat.: engr. P. Mazell Annot. P: Pennant, T. *Hist. Quadrupeds* Lond. 1781 pl.33 f.1 b *Ursus* [*Selenarctos*] *thibetanus* epiglottis, 1 p. sketch, R.O. del. c † *Ursus arctos* sk. l. lat.: 1 s.d. G.S. del. Annot. P: Owen, R. *Brit. Foss. Mamm. Birds* Lond. 1846 f.24
- 272 a,b *Suricata* stomach & large intestine, diss.: 2 w.d. R.O. del. P: Owen, R. *Anat. Vertebr.* Lond. 3 1869 p. 444,445 c [*Pteropus javanicus*] sk. & teeth, lat. occ. 5 p. & w.d. W. Taylor del. P: Horsfield, T. *Zool. Res. Java* London 1824 p.301 d *Viverra rasse* [*Viverricula malaccensis rasse*] l. lat.: 1 p. sketch W. Taylor del. P: *l.c.* p.345 e [*? Meles*] spirit specimen: 1 i. sketch, Annot. f [*Mydaus meliceps*] sk. l. lat.: teeth, occ.: anal glands & rectum; post. P: f.C,D,E,L. *Eurylaimus javanicus* & *Podargus* [*Batrachostomus javanensis*] feet, ant. toes. P: f.Q&S, f 8 p.d. All P: *l.c.* p.297 g [*Mangusta javanica*] [*Herpestes javanicus*] sk. l. lat.: teeth, lat. fronto-occ. P: f.N-T [*Pomatorhinus montanus*] bill, lat. dors.: foot, lat. P: f.W-Z g 13 p.d. All W. Taylor del. All P: *l.c.* p.303
- 273 a [*Tupaia tana*] head, dors. lat.: feet, lat.: 4 p.d. W. Taylor del. P: *l.c.* p.229 f.A,B,F c [*Tupaia glis ferruginea*] head, lat. & dors.: 2 p.d. W. Taylor del. P: *l.c.* p.229 f.C,D b Shrew, unident. head, l. lat.: 1 w.d. d [*? Shrew*] feet, dors.: 2 w.d. e *Sorex* [*Condylura*] *cristata* ♀ genitalia, external: 5 i. sketches f [*Tupaia javanica* & *Simia syndactyla*] [*Symphalangus syndactylus*] head & teeth, l. lat. hand of primate, dors.: 6 p.d. W. Taylor del. P: *l.c.* p.299 f.E,P,Q,R g,h,i *Centetes* [*Tenrec ecaudatus*] sk. dors. l. lat. & latero-dors.: 3 w.d. g H. Scharf del.
- 274 a *Pteropus rostratus* [*Macroglossus minimus*] ♀, vent., wings open (331 f.H) b [*Cheiromeles torquatus*] head, l. lat.: (317 f.I) c [*Rhinolophus*] [*Hipposideros*] *larvatus*] dors. (323 f.H) 3 p.d. d heads, frontal & l. lat. views of 1 [*Rhinolophus affinis*] (307 f.A,B) 2 *Rhinolophus minor* [*pusillus*] (307 f.C,D) 3 [*Rhinolophus vulgaris*] [*Hipposideros larvatus*] (307 f.E,F) 4 [*Rhinolophus deformis*] [*Hipposideros larvatus*] (307 f.G,H) Centre [*Rhinolophus nobilis*] [*Hipposideros diadema*] (307 f.L) Top row 1 & 2 [*Rhinolophus insignis*] [*Hipposideros larvatus*] (307 f.I,K): 11 p.d. e,f *Talpa europaea* e 1 & 2 cervical vertebrae, lat. vent.: 3 lumbar vertebrae: 6 i.d. R.O. del. P: Owen, R. *Anat. Vertebr.* Lond. 2 1866: 386 f 2 young: 1 w.d. Capt Chapman del. Annot.

## Folio

- g *Nyctinomus tenuis* [*Tadarida (Chaerephon) plicata tenuis*] (303 f.A–H) sk., lat. dors.: teeth, frontal, lat., occ. & tongue, lat.: 8 p.d. Excepting e & f all W. Taylor del. P: Horsfield, T. *Zool. Res. Java* Lond. 1821–24, pp. & f. shown in brackets
- 275 a † *Strongyloceros* [*Cervus*] base of shed antler, lat. b *Bos* [or *Bison*] 3rd lower molar, lat. & oblique: Annot. c † *Cervus* [*Rangifer*] *tarandus*\* humerus, lat.: back of cranium, dors. & post.: tooth, occ. & lat.: P: Owen, R. *Brit. Foss. Mammals* Lond. 1846 f.198. \*No. 36746 d † *Bos* [or *Bison*] lower molar, lat. & oblique: Annot. e † *Megaceros* [*Megaloceros*] 3rd lower molar, oblique e † *Elephas* milk molar, 2nd lower, occ.: Annot. f † *Cervus* [?] *diaromocervus*] l. lower molar occ.: Annot. a–f 13 w.d.
- 276 † *Anthracotheurium magnum*\* upper jaw, pal.: 1 p.d. \*No. 28770
- 277 † *Anthracotheurium magnum*\* upper & lower tooth rows, l. lat.: 1 p.d. \*No. 28770
- 278 *Sus scrofa* sk. l. & r. lat. & dors.: 3 w.d. Annot. P: *l.c.* f.172
- 279 *Sus scrofa* leg, foot bones & vertebrae, lat. & oblique: 8 w.d. Annot.
- 280 † *Hypotamius* [*Bothriodon*] *vectianus*\* a1 lower molars 2 & 3, lingual a3 symphysis of lower rami, no teeth, occ. both \*No. 29784 HOLOTYPE of *H. vectianus* a2 incomplete r. ramus, labial & occ. \*No. 29782 a4,5 [Unident.] teeth, 2 views a6 † *Hypotamius* [*Bothriodon*] incisor, post. ant.: Fig.: *Q. Jl geol. Soc. Lond.* 4 1848 pl.7 f.18,19 a7 † *Hypotamius* [*Bothriodon*] *bovinus*\* 3rd l. upper molar, lat., occ.: Fig. *l.c.* pl.7 f.5&1. HOLOTYPE\* No. 29761 a 11 i.d. b † *Sus* [*Hyotherium*] *palaeochoerus* 3rd l. upper molar, occ.: 1 i. & w.d. W. del. P: *l.c.* 12 1856: 233 f.10. Annot. c † *Sus* [*Microstonyx*] *antiquus* lower jaw, occ.: 1 p.d. H. Schuler del. d † *Dichodon cuspidatus*\* r. ramus fragment with 3 molars, labial, lingual & occ.: 3 w.d. P: *l.c.* 13 1857 pl.3 f.1–3 \*No. M 3679 e † *Hippopotamius* tusk fragments, lat. & oblique: 2 p.d. f † *Hippopotamius* [?Dwarf], cheek teeth, lat. & oblique: 6 p.d. P. Spratti del. Annot. g † *Hippopotamius major* part of femur: 1 i. sketch, J. Gunn del. Annot.
- 281 *Cervus* [*Muntiacus*] *muntjak* a frontlet & antlers, dors. b living animal, l. lat. c head, frontal & lat.: 5 w.d.
- † 282 *Alces* [*alces*] a,b antlers, frontal: 3 w.d. S. Parkinson del. b Annot.
- 283 † *Megaceros* [*Megaloceros giganteus*] antlers, a lat. b frontal: 2 w.d. [S. Parkinson del.] Annot.
- 284 *Cervus elaphus* a,c ♂ heads with antlers: 2 engr. (10 f.) b antler formation: 1 i. sketch. R. Hills del. Annot.
- 285 [*Cervus elaphus*] a–e frontlet & antlers: 5 photos. Annot. f dead deer with peruke head: 1 photo. Annot.
- 286 a [*Cervus elaphus*] 6 specimens malformed antlers: 6 p.d. E. W. Cooke del. Annot. b [*Cervus canadensis*] post. r. lat.: ♀ and ♂ 1 engr. R. Lawrence del. P: *Colonial Journal* No. 1, 1816 c [*Cervus elaphus*] 6 pairs antlers: 1 photo.
- 287 a [*Muntiacus muntjak*] sk., l. lat.: 1 p.d. W.C. del. Annot. b [Cervidae] hyoid bones of stag: 1 c.d. c *Moschus moschiferus* vertebrae, dorsal 6–14 & 1st lumbar: 1 p.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.48 f.14 *Muntiacus muntjak* d sk., l. lat.: e head, dors.: 2 p.d. W. Taylor del.
- 288 a † *Strongyloceros spelous* [*spelaeus*] [*Cervus elaphus*] antler, dors. part & scapula fragment: 2 p. sketches. Annot. b † *Cervus pedicellatus* 3 antler fragments: 3 p. sketches. Annot.
- 289 a † *Cervus* antler fragment: 1 i. sketch. Annot. b [Unident.] antler, broken: 1 i. sketch. Annot. c † *Cervus strongyloceros* [*C. elaphus*] antler fragment: 1 i.d. Annot. [a&c J. Gunn del.]
- 290 † *Cervus sedgwickii* [*Euctenoceros sedgwicki*] antler in 3 parts, l. lat.: 1. s.d. Annot. HOLOTYPE No. 99 Gunn Coll. Norwich Mus.
- 291 † [*Eucladoceros dicranios*] sk. & antlers, oblique: 1 i. sketch. Annot.
- 292 *Camelus bactrianus* l. lat.: 1 wash d.
- 293 a *Lama* l. lat.: 1 p.d. b *Camelus* head, fronto-lat. & l. lat.: 2 wash d. c *Camelus bactrianus* l. lat.: 1 p. & wash d.
- 294 *Lama* stomach, 1 wash d. Annot.
- 295 *Lama* stomach, l. lat.: 1 wash d. W.C. del. Annot.
- 296 a,b *Bos taurus* [*Bos domesticus*] head, frontal & lat.: 2 photos. Annot.
- 297 a,b † *Bison* part of sk. & r. horn core, frontal & post.: Annot. c † *Bison* part of sk.: Annot. 3 w.d. W.C. del.
- 298 † *Bison* a,b,c sk., vent. l. lat. & dors.: 3 p.d. H. v. Meyer del.
- 299 a † *Bison trochocerus* [*Bos primigenius*] sk., l. lat. of back b † *Bison* [*Bison*] sk. frontal: 2 p.d. H. v. Meyer del.
- 300 † *Bos trochocerus* [*Bos primigenius*] sk. a frontals & horn cores, ant. b post. view a,b 2 p.d. H. v. Meyer del. P: *Nova Acta physico-med.* 17 1835 pl.12 f.12,13



## Folio

- 301 † *Bubalus [Ovibos] moschatus* back of cranium, post. & dors.: 2 w.d. Annot.
- 302 † *Bubalus [Ovibos] moschatus* a,b imperfect cranium, dors. post.: 2 w.d. G.S. del. Annot.
- 303 † *Ovibos moschatus* a frontlet & horn cores of ♀, dors. & vent. b same, ant.: 4 wash & p.d. G.S. del.
- 304 a [*Ovis ammon ? gmelini*] specimen lying, ? lat. view of head: 1 w. & p.d. J. Zeitter del. b [*Ovibos moschatus*]\* standing specimen, l. lat.: 1 p.d. W.C. del. Annot. \*No. 612 a c [*Ovis ammon ? gmelini*] head, l. lat.: 1 w.d. ? J. Zeitter del. d [*Ovibos moschatus*] sk. & r. lat. & frontal: 2 p.d. Annot.
- 305 a [*Bos domestic*] head, dors.: 1 w.d. R. Hills del. b [Bovidae, unident.] young specimen, l. lat.: 1 p.d. c [*Bos indicus*] young specimen, l. lat.: 1 p.d.
- 306 a *Antilope bubalus [Alcelaphus buselaphus buselaphus]* standing specimen, latero-frontal: 1 w.d. [R. Hills del.] Annot. b *Antilope dama [Gazella dama mhor]* standing specimen, l. lat. & rear: 1 w.d. [R. Hills del.] Annot. ? P: *Trans. zool. Soc. Lond.* 1 1835 pl.1 c *Antilope furcifer [Antilocapra americana]* standing specimen, r. lat.; head, front: 2 i. & w.d. C. H. Smith del. Annot. *Antilope [Kobus ellipsiprymnus]* d ♀ 1 w.d. & 1 p. sketch e head, detail l. lat.: 2 w.d. d-e Both [R. Hills del.] Both Annot.
- 307 a [*Connochaetes gnou*] dead specimen, l. lat.: 1 p.d. Annot. b [*Oryx leucoryx*] standing specimen, l. lat.: 1 c.d. [? Smit del.]
- 308 a *Tetraceros [Tetracerus quadricornis]* sk. l. lat.: 1 p.d. W.C. del. b † [? *Ovis*] skel. remains & teeth: 1 p.d. A. Sedgwick del. Annot. c [*Antilocapra americana*] head, l. lat.: 1 s.d. Annot.
- 309 *Giraffa* articulated skel. l. lat.: 1 pen & i.d. Annot.
- 310 *Giraffa* a skel. articulated, l. lat.: 1 i. & wash d. J. Ibbetson del. Annot. b sk. l. lat.: 1 outline i. sketch c sk. sagittal section, r. lat.: 1 p.d. G.S. del. Annot. P: *Trans. zool. Soc. Lond.* 2 1839 pl.40.
- 311 *Giraffa* a leg bones & scapula, lat. b thoracic & pelvic skel.: 7 w.d. [J. Ibbetson del.] Annot.
- 312 a,b *Giraffa* head, neck & thorax, diss. to show muscles & vertebrae: 2 p. sketches
- 313 *Giraffa* a head, fronto-lat.: 1 wash sketch. Annot. b head & body, standing ♀: 2 w.d. R. Hills del. Annot.: P: *l.c.* 3 1842 pl.1 c dead giraffe: 1 engr. W. Oldham lith.: giraffe tower, Zool. Soc. of Ireland, Dublin and medal designed by Woodhouse: 3 engr. P: *The Amateur* [? 1845-1847] pp.21-22 d giraffe six hours old, r. lat. & head: 6 p. sketches & 2 w.d. [R. Hills del.] Annot. P: *Trans. zool. Soc. Lond.* 3 1849 pl.1. c based on a study by F. W. Burton
- 314 [*Giraffa*] sk. horizontal section showing brain diss.: 1 i. & w.d.
- 315 'Bunyip' [Ruminant, unident.] a sk. pal. Annot. b sk. damaged, dors.: Annot. c sk. damaged, l. lat.: 1 crayon d. Annot. a-c Blockmakers pulls of 3 crayon d. d head, l. lat.: 1 i. outline d. R.S.M. del. Annot.
- 316 a [*Equus*] musculature, l. lat.: 1 crayon d. b letter relating to a dated 9/4/1791 signed W. Hedges c † *Equus spelaeus [spelaeus]* astragalus: 1 p.d. R.O. del. Annot. d [*Equus*] penis musculature, diss.: 1 p. & wash d. Annot.
- 317 a,b [*Equus asinus*] l. lat.: a standing, 1 p. & wash d. b lying, 1 p.d.
- 318 a [*Equus*] living specimen with striped markings, l. lat.: 1 w.d. Annot. b [*Equus* × *E. zebra* or *E. quagga*] standing specimen, l. lat.: 1 w.d. c † [*Equus quagga*] standing specimen, r. lat.: 1 hand c. lithograph G. Edwards del. Annot. P: Edwards, G. *Gleanings of Natural History Lond.* 1758 5 pl.223 d [*Equus*] head, l. lat.: 1 w.d.
- 319 † *Equus spelaeus [Equus caballus]*\* a forepart of l. ramus & teeth of ♂: occ. P: *Phil. Trans. R. Soc.* 159 1869 pl.57 f.8, \*No. 38187 b forepart of m. showing erupting teeth P: *l.c.* pl.57 f.7. \*No. 38175 b c fragment of l. maxilla with premolars in alveolae & deciduous molars, lat.: P: *l.c.* pl.60 f.5. \*No. 38175 d *Equus spelaeus* var. B [*Equus caballus*] lower molar row, occ.: P: *l.c.* pl.57 f.5. \*No. 38175b 4 s.d. [? J. Erxleben del.] Annot.
- 320 a *Equus caballus*\* teeth of ♂, l. lower & r. upper, occ. P: *l.c.* pl.57 f.1-4 \*No. 704b b *Equus asinus*\* teeth of ♂, l. lower & r. upper, occ. P: *l.c.* pl.58 f.1,2 \*No. 740e = 58.6.9.18 c *Equus hemionus*\* teeth of ♂ in upper & lower jaws, occ. P: *l.c.* pl.58 f.3,4 Annot. \*No. 976 h = 58.6.24.119 lowest † Paloplothere [*Palaeotherium*] l. ramus of lower jaw & molar row: 1 lithograph. Annot. a-c 6 s.d. [? J. Erxleben del.]
- 321 a *Equus quagga*\* teeth in jaws, occ.: P: *l.c.* pl.59 f.1,2 \*No. 64.7.2.3 b *Equus burchelli* ♀ jaws with teeth, occ.: P: *l.c.* pl.59 f.3,4 \*No. 854a = 46.6.2.77 c † *Equus spelaeus [Equus caballus]*\* lower teeth, occ. Annot. P: *l.c.* pl.57 f.6: 5 s.d. [? J. Erxleben del.]
- 322 *Equus spelaeus [Equus caballus]*\* a upper molar row, occ. Annot. P: *l.c.* pl.60 f.2. HOLOTYPE of *E. spelaeus* \*No. 38168 b part of molar row of young, occ. Annot. P: *l.c.* pl.60, f.4. \*No. 38171

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- d upper r. molar row, occ. Annot. P: *l.c.* pl.60 f.3. \*No. 38169 c *Equus zebra* r. upper molar row of young ♂, occ. P: *l.c.* pl.60 f.1. \*No. 706b. Annot. 4 s.d. [? J. Erxleben del.]
- 323 a,b *Rhinoceros [unicornis]* l. lat. 2 engr. black & sepia [J. Parsons del. G. van der Gricht engr.] a Annot. P: *Rhinoceros. A natural history of four-footed Animals.* [London] 1739.
- 324 † [*Dicerorhinus schleiermacheri*]\* cranium, r. lat.: 1 crayon & wash d.: P: Kaup, J. J. *Beitr. z. naeheren Kenntniss d. urwelt. Saeugethiere*, Darmstadt 1854–61 Pt 1, pl.10 f.1 Cast \*No. M 2781
- 325 † [*Dicerorhinus schleiermacheri*]\* cranium, dors.: 1 crayon & wash d. [? J. J. Kaup del.] P: *l.c.* pl.10 f.1A Cast \*No. M2781
- 326 † [*Aceratherium incisivum*]\* crania, a incomplete posteriorly b incomplete anteriorly both dors.: 2 crayon & wash d. P: Kaup, J. J. *Descr. Ossements foss. de Mammifères*, Darmstadt 1832 pl.10 f.2a & 2b. Cast \*No. M 2788
- 327 a † *Rhinoceros [Dicerorhinus] schleiermacheri*\* top tooth row, occ. P: *l.c.* pl.11 f.5 Cast \*No. M 2781 centre femur [? humerus], frontal. P: *l.c.* pl.13 f.5. Cast \*No. 1283 lower r. upper milk molars: P: *l.c.* pl.11 f.7. Cast \*No. [110b (O. C.)] 3 p. & i.d. J. J. Kaup del. b † [? *Dicerorhinus schleiermacheri*] upper premaxilla, latero-occ.: 1 i.d. Laurillard del. c † *Aceratherium*\* l. maxilla with teeth, l. labial: 1 i. & wash d. J. J. Kaup del. Cast \*No. M 2744 d † *Aceratherium incisivum* post. part of cranium, l. lat.: 1 i.d. [? J. J. Kaup del.]
- 328 *Rhinoceros indicus [unicornis]* a penis: a1 diss. a2 lat. a3,4 views of end: 4 p. & w.d. P: (except a2) *Trans. zool. Soc. Lond.* 4 1862 pl.17 f.2–4 b prepuce & penis: 5 c.d. 3 P: *l.c.* pl.9 f.4–6. Annot.
- 329 *Rhinoceros indicus [unicornis]* brains a1–4 ♀ diss.: P: *l.c.* pl.22 f.1–4 b ♂, vent. diss.: P: *l.c.* pl.20 c ♂, dors. diss.: P: *l.c.* pl.21 d ♂, dors. & lat.: P: *l.c.* pl.19 f.1,2. Annot. 8 p. & w.d. [J. Erxleben del.]
- 330 *Rhinoceros indicus [unicornis]* a jejunum: beginning, inner surface b ileum: end, inner surface c jejunum: end, inner surface. P: *l.c.* pl.12 f.1–3 d larynx diss. P: *l.c.* pl.15 f.2 e caecum, colon & beginning of rectum P: *l.c.* pl.13 f stomach, part of inner surface: P: *l.c.* pl.14 g tonsil, epiglottis & part of larynx. P: *l.c.* pl.10 f.1 h larynx, vent.: P: *l.c.* pl.15 f.1; 8 p. & w.d. [J. Erxleben del.]
- 331 *Rhinoceros indicus [unicornis]* a metacarpal & metatarsal glands: 3 p. sketches P: *l.c.* pl.9 f.1–3 b incisors erupting, occ.: 4 p.d. c [? *Dicerorhinus sumatrensis*] mounted skel. l. lat.: 1 p. & i.d. d *Rhinoceros* [? *Ceratotherium simum*] sk., spine & ribs, l. lat.: 1 w. sketch R. Pope del. Annot. e *Rhinoceros* pelvic & pectoral girdles, r. lat.: 3 i. sketches R.O. del. Annot.
- 332 a † *Rhinoceros* a left atlas vertebra, dors.: 1 w.d. a right mandibular ramus with 3 teeth, ant. end, lat.: 1 p.d. Kaup del. b † *Rhinoceros tichorhinus [Coelodonta antiquitatis]* astragalus, dors.: 3 cheek teeth, occ.: ? scapula & humerus, lat.: verso atlas vertebra, vent. & ant.: l. mandibular ramus with 5 teeth, occ. & lat.: 9 p.d. Annot. c *Rhinoceros* [? fossil] lower molar, 3 views: 3 w.d. Annot. d † *Rhinoceros tichorhinus [Coelodonta antiquitatis]* cranium, r. lat.: 1 i.d. J. Hakewill del. Annot. e *Rhinoceros* [? fossil] tooth, occ.: 1 w. & i.d. f *Rhinoceros* upper & lower tooth rows, occ.: 2 crayon sketches g † *Rhinoceros tichorhinus [Coelodonta antiquitatis]* l. ramus showing teeth including unerupted molar, l. lat.: 1 p.d. Annot.
- 333 *Tapirus [indicus]* a r. lat.: 1 outline p.d. Annot. b r. lat.: 1 c.d. Annot.
- 334 a *Elephas africanus [Loxodonta africana]* nasals, tusks & molars, dors. & occ. *Elephas asiaticus [maximus]* molar, occ. b *Elephas africanus [Loxodonta africana]* sk. of young animal, l. lat. c cranium & lower jaw, occ. [probably same specimen as b] d,e *Elephas asiaticus [maximus]* sk. l. lat.: Annot. a–e 5 photos
- 335 a † *Elephas [Mammuthus] primigenius* [? *Loxodonta africana*] skel. of young specimen, l. lat.: b [*Elephas maximus*] skel. r. lat.: both i. & wash d. Annot.
- 336 a † [*Mammuthus primigenius*] skel. r. lat.: 1 engr. G.S. lith. Annot. P: Owen, R. *Hist. Brit. foss. mammals & birds*, Lond. 1846 f.85 b † *Mastodon giganteum* [? *Mammut americanum*] skel. r. lat.: 1 w. & i.d.
- 337 a,d,e,f † [Owles collection of bones & teeth dredged off Dogger Bank. 4 photos, each of which shows a variety of specimens, some of which have been identified]: a centre † [*Mammuthus primigenius*]\* r. femur \*No. 46270 b † [*Anancus arvernensis*]\* molar, lat.: Annot. Cast \*No. M 2902 c † *Elephas [Mammuthus] primigenius* skel. r. lat. & frontal: Annot. d † [*Mammuthus primigenius*]\* lower m., frontal. \*No. 46197 † *Rhinoceros*, unident. cranium, l. lat. † [Elephants, unident.] tusks, molars & bones e † [*Odobenus rosmarus*]\* lower m., occ. \*No. 46134 † [*Mammuthus primigenius*] tusks, teeth & bones f † [Castoridae, unident.] sk., r. lat.: † [*Megalo-*

## Folio

- ceros giganteus*)\* cranium of ♀, l. ventro-lat. \*No. 46106 † [*Megaloceros*]\* frontlet & pedicles \*No. 46107 † [*Mammuthus primigenius*]\* innominate \*No. 46268 a-f 7 photos
- 338 a † [? Hippopotamus] molar, lat. b-d † [Elephantidae] b molar, occ. c molar, latero-occ. d molar, occ.: Annot. a-d 4 p.d. e Mammoth, part of tusk, post. & lat.: 1 i. & wash d. Annot.
- 339 a-c † [*Mammuthus cf. primigenius*] lower molar, lat. & latero-occ.: 3 w.d. C.S. del. [? C. Stubbs]. Annot.
- 340 † [*Elephas [Mammuthus] primigenius*] a molar, occ.: 1 c.d. Annot. b † [*Mammuth americanum*] molar, occ.: 1 c.d. Annot.
- 341 † [*Elephas [Mammuthus] primigenius*] a molar, occ.: 1 c.d. Annot. b † [Elephantidae] molar, occ.: 1 c.d. Annot.
- 342 a † *Elephas* jaw with tooth & bone fragments: 5 i.d. Annot. b † Mammoth head of humerus: 1 wash d. Annot. c † [Elephantidae] tusk, lat.: i.d. [J. Gunn del.] Annot.
- 343 a † [? *Mammuth americanum*] sk. l. lat.: Annot. b † [Elephantidae] sk. fronto-lat.: Both i. outline d.
- 344 † [*Mammuth americanum*]\* incomplete mounted skel. l. lat.: 1 i. & wash d. G.S. del. Annot. \*No. 15913
- 345 † [*Mammuth americanum*]\* a incomplete m. & teeth, l. lat. & frontal: 4 w. & outline d. G.S. del. b incomplete cranium with tusk, dors.: 1 w.d. c l. fore & hind feet skels, frontal: 4 c.d. G.S. del. All. \*No. 17144
- 346 † [*Mastodon americanus [Mammuth americanum]*] a upper M2 b upper M3, occ. & lat.: 4 w.d. G.S. del.
- 347 † [*Mastodon americanus [Mammuth americanum]*] a upper M2, occ. & lat. b1 r. lower 2nd milk tooth, occ. & lat. \*No. 17562 b2 r. upper 2nd milk tooth: occ. & lat. \*No. 17565 b3 r. lower M3, occ. & lat. \*No. 17563 b4 r. lower milk molar, occ. & lat. \*No. 17564. 10 w.d. G.S. del. c † [*Mammuthus cf. meridionalis*] r. lower molar, occ.: 1 w.d. G.S. del. Annot.
- 348 † [*Mammuthus*] a r. ulna & radius, 2 w.d. G.S. del. b r. humerus 2 w.d. G.S. del. c r. tibia & fibula: 2 w.d. [G.S. del.] Annot.
- 349 a [Proboscidea, unident.] incomplete bone, 1 c.d. Annot. b † [*Mammuthus*] l. femur, 3 lat.: 3 w.d. G.S. del. Annot.
- 350 † *Mammuthus* [? *Mammuth americanum*] a,b mounted skel. post. & lat.: a 1 p.d. b 2 i.d. Annot.
- 351 a † *Elephas* 2nd upper molar, oblique: 1 s.d. Annot. † *Mastodon [Tetralophodon] longirostris*\* b r. ramus, milk dentition: 1 p.d. Annot. c,d r. ramus, milk dentition: 2 p. & w.d. d E. Markwrost del. Annot. b-d All Cast \*No. 36756 P: Kaup, J. J. *Beitr. z. näheren Kenntniss d. urwelt. Säugethiere* Darmstadt, 1854-61 Pt 3 pl.2 f.2 [as *M. arvernensis*]
- 352 † *Mastodon [Stegolophodon] latidens*\* a lower milk tooth, 3 views: 3 c.d. W.C. del. Annot. b,c r. upper molar, oblique & occ.: 2 w.d. P: Falconer, H. & Cautley, P. J. *Fauna Antiqua Sivalensis* . . . Lond. 1846-49 pl.31 f.2,2a \*No. M 10518 d † *Mastodon [Stegodon] elephantoides*\* upper molar, oblique: 1 w.d. [W.C. del.] Annot. P: Clift, W. *Trans. geol. Soc. Lond.* 2 1828 pl.39 f.6 SYNTYPE \*No. M 10520. Cast \*No. 7388
- 353 a † [*Mammuthus*] tooth, frontal: 1 wash d. Annot. b † Mammoth [*Mammuth americanum*]\* r. ramus, lingual: 1 wash d. Annot. P: Hunter, J. *Phil. Trans. R. Soc.* 58 1768 pl.4 f.1,3 \*No. [3 (O. C.)] c † [*Mammuthus*] tooth, lat.: 1 wash d. d † *Mastodon [Stegolophodon] latidens*\* r. upper M2 & M3 in part of palate: 1 w.d. [W.C. del.] P: *Trans. geol. Soc. Lond.* 2 1828 pl.37 f.1. HOLOTYPE \*No. M 29713. Cast \*No. M 2888. Annot.
- 354 † [*Mammuth americanum*]\* incomplete cranium & 3rd molar a pal. b post. c l. lat. d dors.: 4 w.d. G.S. del. \*No. 345
- 355 † *Mastodon [Stegolophodon] latidens*\* palate & ? 3rd molar each side: 1 w.d. W.C. del. P: *l.c.* pl.36, \*No. M 10514
- 356 † *Mastodon* 3 long bones, lat. & distal: 4 wash & 1 i. outline d. Annot.
- 357 † *Mastodon* a 2 phalanges, dors. & vent. b bone fragment: 5 wash & i.d.
- 358 a † *Dinotherium [Deinotherium giganteum]* l. upper molar, occ.: 1 w.d. W.C. del. Annot. b,c,d † [*Mastodon [Tetralophodon] longirostris*]\* axis vertebra, 1. lat., post & ant.: 3 w.d. [? J. J. Kaup del.] P: Kaup, J. J. *Descr. ossements foss. de Mammifères*, Darmstadt 1835 pl.22 f.2-2 b \*No. M 3408 e † [*Tetralophodon longirostris*]\* germ of 1st upper molar, oblique: 1 p.d. [? J. J. Kaup del.] P: *l.c.* pl.21 f.7. \*No. M 2916 f † [*Tetralophodon longirostris*]\* part of maxilla & tooth row, l. lat.: 1 i.d. P: *l.c.* pl.19 f.1. Cast \*No. M 2907
- 359 a † *Mastodon [Tetralophodon] longirostris*\* a1 last upper molar, lat.: \*No. 2923 a2 3rd lower molar, lat.: \*No. M 2899 a3 upper premolar 4, occ.: Annot. \*No. 2914 a4 ? 4th premolar, occ. a5 ? molar, lat. a6 premolar, oblique: 6 p. & wash d. ? Kaup del. b † [*Dinotherium [Deino-*

## Folio

- therium giganteum*] **b1** upper molars, occ.: P: *l.c.* pl.2 f.2 **b2,3** upper molars, oblique. **b4** upper molar, lat. P: *l.c.* pl.2 f.10 **b5** l. lower molar, oblique: \*No. 1735 i **b6** upper molars lettered (a-d) P: *l.c.* pl.2 f.6,3,5,4. \*Nos 1272, 1735 e, 1735 d **b7** molar crown, oblique. **b8** lower molar row in part of ramus, lat. P: *l.c.* pl.5 f.1 **b9** lower molar, lat. P: *l.c.* pl.5 f.2 **b10** [Proboscidea, unident.] molar, lat. Annot. 13 p. & w.d. All J. J. Kaup del. All \* specimens are casts
- 360 a † *Dinotherium gig.* [*Deinotherium giganteum*] teeth **a1-3** [? molars] crowns, oblique **a4** upper molar crown, oblique P: *l.c.* pl.2 f.7 **4 bis** centre tooth, lat. **a5** † *Mastodon* [*Tetralophodon*] *longirostris* cheek tooth, oblique. **a6-8** † [*Dinotherium gigantei* [*Deinotherium giganteum*]] **a6** incomplete tusk, lat. P: *l.c.* pl.3 f.1 a **a7,8** tusks, end view. P: *l.c.* pl.3 f.1 b & 1 c **a** Annot. 9 crayon & wash d. **b,c** † [*Dinotherii gigantii* [*Deinotherium giganteum*]] incomplete l. ramus & symphysis, lat., post. & occ.: 3 p. & c.d. Annot. P: *l.c.* pl.4. Casts \*Nos 1275, 1542
- 361 a Rhinoceros [unident.] ant. part of cranium, l. lat. **b,c** † [*Deinotherium giganteum*] l. ramus & symphysis, occ. lat.: 3 crayon & wash d. [? Kaup del.]
- 362 † [*Dinotherium* [*Deinotherium giganteum*]]\* **a** incomplete ant. part of palate with teeth, occ.: 1 p.i. & w.d. \*No. 1270 **b** same as **a** 1 p.d. \*No. 1271. Both casts. J. J. Kaup del. P: *l.c.* a pl.1 bis f.2 b pl.1
- 363 a † *Merycopotamus* [? *Hippohyus*] upper molar 1 & premolar 4, occ.: 2 p.d. **b** † *Elasmotherium* incomplete scapula, dors.: 1 w. & i.d. J. J. Kaup del. Annot. **c** † *Hyracolestes* [*Pliolophus vulpiceps*] [*Hyracotherium leporinum*]]\* l. ramus with P3-M3 **c8,8a** occ. **c7** lingual, **unnumbered** labial: 4 s.d. P: *Q. Jl geol. Soc. Lond.* 14 1858 pl.3 f.5,6,4. HOLOTYPE of *P. vulpiceps* \*No. 44115 **d** † *Lophiodon isselensis* [*Isselensis*]\* 2nd phalangeal of 3rd digit of r. forefoot, ant. post. & l. lat.: 3 w.d. Caroline Owen del. Annot. **d1** P: Owen, R. *Hist. Brit. foss. mamm. & birds*, Lond. 1846 f.106: \*No. 29743 **e left** † *Hippohyus* [*sivalensis*]\* upper teeth, occ. \*No. M 2053 **e right** † *Merycopotamus* [*dissimilis*]\* upper teeth, occ. \*No. 16551: 2 p.d. P: Falconer, H. & Cautley, P. J. *Fauna Antiqua Sivalensis* . . . Lond. 1846-49 pl.70 f.1 & pl.76 f.3.
- 364 † *Pliolophus vulpiceps* [*Hyracotherium leporinum*]]\* **a** l. maxilla **5** occ. **5a** occ. **5b** l. lat. **6** M1 & M2 occ.: 4 s.d. P: *Q. Jl geol. Soc. Lond.* 14 1858 pl.3 f.1-3 **b top** † *Hyracotherium leporinum*\* cranium, dors.: woodcut. P: *Trans. geol. Soc. Lond.* 6 1841 f.2. \*No. M 16336 **b lower** sk. before development **b2** l. lat. **b3** dors. **b4** vent. **c** sk. r. lat. **b,c** 4 w.d. P: *l.c.* pl.2. HOLOTYPE \*No. 44115
- 365 † *Toxodon* [*platensis*]]\* m. **a** r. lat. & ant. **b** r. tooth row, occ. **c** occ. 4 s.d. J. Dinkel del. \*No. 19949
- 366 † *Toxodon platensis*\* **a** incomplete cranium, dors. **b** cranium, post.: 2 p.d. G.S. del. P: Owen, R. *Zool. voyage Beagle* Lond. 1838 Pt 1 **a** pl.3 **b** pl.4. HOLOTYPE \*No. M 16560
- 367 † *Toxodon* [*platensis*]]\* **a** cranium, vent. molar, 4 views **b** incomplete cranium, r. lat.: 6 p.d. G.S. del. P: *l.c.* a pl.4 **b** pl.2. HOLOTYPE \*No. M 16560
- 368 † *Toxodon* [*platensis*]]\* incomplete cranium, r. lat.: 1 prelim. p.d. G.S. del. HOLOTYPE \*No. M 16560
- 369 † *Toxodon* [*platensis*]]\* sk. ant. **a** dors. **b** r. lat. **c** l. lat. 3 s.d. J. Dinkel del. \*No. 19948
- 370 *Hystrix* **a** caecum **b** stomach & spleen **c** [*Sciurus plantani* [*Callosciurus notatus notatus*]] live specimen, l. lat. **d** *Gerbillus burtoni* [*pyramidum pyramidum*] sk. pal. **e** *Dipus hirtipes* [*Jaculus jaculus*] sk. dors. **f** [Dasyproctidae, unident.] ♂ organs **g** *Capromys* ♂ organs **h** [*Mus setifer* [*Bandicota indica setifera*]] living animal, r. lat.: 8 p. sketches **c,h** W. Taylor del. **c,h** P: Horsfield, T. *Zool. Res. in Java* . . . Lond. 1824 c p.361 h p.357
- 371 † *Archaeopteryx macrurus* [*lithographica*]]\* skel. remains in block: 1 p.d. J. Dinkel del. Annot. P: *Phil. Trans. R. Soc.* 153 1863 pl.1 [HOLOTYPE of *A. macrura* \*No. 37001]
- 372 a † *Castor tãgeri*, † *Spermophilus* [*Spermophilus*] *superciliosus* individual teeth, sk. & long bones: 34 p.d. Mangold del. Annot. P: *S. superciliosus* in Kaup, J. J. *Descr. Ossements foss. Mamm.* Darmstadt, 1839 pl.25 f.4,3 **b** † *Spermophilus citillus* [*Spermophilus superciliosus*], † *Arctomys primigenia* [*Marmota marmota*] sk. & long bones: 11 p.d. Kaup del. Annot. 2 top left d. P: *l.c.* pl.25 f.5-6 **c** † *Arctomys primigenia* [*Marmota marmota*] sk. lat. & dors., first 10 vertebrae, l. lat.: 11 p.d. Kaup del. Annot. sk. d. P: *l.c.* pl.25 f.1-2
- 373 a left *Mus* [? *Rattus*] a right [*Mastacomys fuscus*] both sk. l. lat.: teeth, occ.: 8 p.d. **b** *Oryctolagus* pelvis, r. lat.: l. mandible, lat.: scapula: 3 p. & w.d. Annot. **c** *Hydrochoerus capybara* [*hydrochaeris*] vertebrae 8-14, dors.: 1 s.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.47 f.11 **d** *Castor fiber* & *Macropus major* [*giganteus*] caudal vertebrae, 7th & 9th, dors. vent. & ant.: 6 s.d. P: *l.c.* pl.53 f.61,62 Annot. **e** † *Helamys* [*Platycheilus*] *capensis* dors. & lumbar vertebrae, l. lat.: 1 p.d. P: *l.c.* pl. 46 f.9

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- 374 a † *Glyptodon* sk. & mandible, l. lat. b † *Glyptodon* – *Hoplophorus* sk. & mandible, r. lat. Annot. c † *Glyptodon* – *Panochthus* [*Panochthus*] sk. & mandible, r. lat. Annot. d † *Toxodon* sk. & mandible, r. lat. Annot. e † *Homo* from S. America sk. & mandible, l. lat. Annot. f † *Scelidotherium* mounted skel. r. lat. Annot. g † *Scelidotherium*, skel. of l. hindfoot, lat. a–g 7 photos
- 375 † *Megatherioid* [*Megatheriid*] a lower jaw, occ. c sk. l. lat. d sk. pal. b,e † *Megatherium* mounted skel. l. lat.: 5 photos. Annot.
- 376 † *Megatherium americanum* articulated skel. oblique frontal: [J. Dinkel del.] 1 s.d. P: *Phil. Trans. R. Soc.* 148 1858 pl.18 Cast of composite skel. \*No. M 26540
- 377 † *Megatherium americanum* skel. l. lat.: 1 i.d. Annot.
- 378 † *Megatherium* 7th cervical & 1st dors. vertebrae, dors.: 1 s.d. P: *l.c.* 145 1855 pl.20 f.5
- 379 † *Megatherium* vertebrae a axis b 3rd cervical c atlas, 4 views d 6th cervical, ant. & l. lat. 10 s.d. P: *l.c.* pl.20,21
- 380 † *Megatherium* a 7th cervical vertebra, post. & lat. b 7th dors. vertebra, post. lat. ant. 5 s.d. J. Dinkel del. P: *l.c.* pl.19,20
- 381 † *Megatherium* a 16th dors. vertebra, 3 views b 13th dors. vertebra, 4 s.d. J. Dinkel del. P: *l.c.* pl.19,26
- 382 † *Megatherium* 1st & 2nd caudal vertebrae, post. & vent.: 4 s.d. J. Dinkel del. Annot. P: *l.c.* pl.18, 24, 26
- 383 † *Megatherium* a–c caudal vertebrae, 12 views: 12 s.d. J. Dinkel del. P: *l.c.* pl.24
- 384 † *Megatherium* a scapula b glenoid cavity & acromio-coracoid arch: 2 s.d. P: *l.c.* pl.19
- 385 † *Megatherium* haemapophyses of dors. vertebrae or bones of sternum: 3 s.d. J. Dinkel del. P: *l.c.* pl.27
- 386 † *Megatherium* dors. vertebrae, 9 views: 9 s.d. J. Dinkel del. P: *l.c.* pl.27
- 387 † *Megatherium americanum*\* a hind foot bones \*No. 19953 ? b bones of r. fore-foot articulated: a,b 2 s.d. Both J. Dinkel del. b P: *l.c.* pl.22 \*No. 19953
- 388 ? † *Megatherium* pelvis a ant. b dors.
- 389 † *Megatherium* a f.1 pelvis, lat.: 1 s.d. f.2 acetabulum: 1 p.d. P: *l.c.* 149 1859 pl.37 b pelvis, vent.: 1 s.d.
- 390 † *Megatherium* a,b 15th & 16th ribs: 3 s.d. P: *l.c.* 145 1855 pl. 26 c pelvis, l. lat.: 1 s.d.
- 391 † *Megatherium* a femur, proximal & distal ends b,c 2 unident. bones d tibia, proximal end, tibio-fibula, distal end: a–d 6 s.d. [J. Dinkel del.] a&d P: *l.c.* 149 1859 pl.39 f.1–4
- 392 † *Megatherium* a calcaneum, ant.: 1 s.d. J. Dinkel del. P: *l.c.* pl.41 f.2 b navicular bone, astragalus & calcaneum, ant.: 1 s.d. J. Dinkel del. P: *l.c.* pl.40 f.3
- 393 † *Megatherium* a 2 cuneiform & cuboid bones, ant.: 1 s.d. J. Dinkel del. P: *l.c.* pl.40 f.2 b † *Megatherium americanum*\* foot bones, dors.: 1 s.d. P: *l.c.* pl.41 f.1 \*No. 19953 c foot bones, tibial side: 1 s.d. P: *l.c.* pl.40 f.1
- 394 † *Megatherium* a skel. l. fore-foot: l. lat. b skel. l. hind foot, r. lat.: 2 w.d. G.S. del.
- 395 1 † *Myiodon robustus* articulated skel. r. lat.: 1 wash d. G.S. del. P: Owen, R. *Descr. skel. extinct gigantic sloth* London 1842 pl.1 2 *Bradypus tridactylus* skel. l. lat.: 1 p.d.
- 396 † *Myiodon robustus* sk. l. lat.: 1 p. outline d. P: *l.c.* pl.2
- 397 † *Scelidotherium leptocephalum*\* cranium, r. lat.: 1 crayon outline d. P: *Phil. Trans. R. Soc.* 147 1857 pl.8 f.1 [Reconstruction using posterior portion of \*No. 32995]
- 398 † *Scelidotherium leptocephalum*\* a m. occ. b lower molar row, occ.: 2 p.d. P: *l.c.* pl.8 f.5 & pl.9 f.2 \*No. 37649 Part of HOLOTYPE of *S. bravardi*
- 399 † *Scelidotherium leptocephalum*\* reconstructed sk., pal. & lower molar surfaces; 2 p.d. P: *l.c.* pl.9 f.1,3 \*No. 32995
- 400 † *Scelidotherium leptocephalum*\* partially restored cranium & m. r. lat.: 3 p.d. P: *l.c.* pl.8 f.2,4 \*No. 37626 – cranium. \*No. 37649 – m. Parts of HOLOTYPE of *S. bravardi*. Teeth of \*No. 37309
- 401 † [Mammalia unident.] cranium & bones in matrix: 1 s.d. J. Dinkel del. Annot. †
- 402 † *Glyptodon* [*clavipes*] a cranium sagittal section, l. lat. b cranium, vent. & dors.: 3 w.d. G.S. del. b P: [Owen, R.] *Descr. & illustr. Cat. Fossil . . . Mammalia & Aves . . . Roy. Coll. Surgeons of England* Lond. 1845 pl.3
- 403 a,b † *Glyptodon* [*Doedicurus clavicaudatus*]\* caudal sheath, 2 views: 2 s.d. J. Dinkel del. HOLOTYPE of *D. clavicaudatus* \*No. 19955
- 404 a † *Myiodon harlani*\* parts of lower jaw, 3 views: 3 i.d. Annot. Cast of HOLOTYPE \*No. 7375 b&c † *Glyptodon* [*Panochthus tuberculatus*] parts of tail; 2 photos. Annot. d † *Glyptodon clavipes* carapace: 11 p.d. G.S. del. Annot. HOLOTYPE – Roy. Coll. Surg. Cat. No. 541 P: [Owen, R.]

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- Descr. & illustr. cat. Fossil . . . Mammalia & Aves . . . Roy. Coll. Surgeons of England.* Lond. 1845 pl.1 [Destroyed in 1941]
- 405 † *Glyptodon*\* a sacro-caudal vertebrae, vent. b pelvis, lat.: 2 s.d. J. Dinkel del. both \*No. 40067
- 406 † *Glyptodon* a [*Panochthus tuberculatus*]\* caudal sheath, \*No. 19954 b [*Doedicurus clavicaudatus*]\* caudal vertebrae, 3 views: \*No. 19955 HOLOTYPE 4 s.d. J. Dinkel del.
- 407 † *Glyptodon* [*Panochthus tuberculatus*]\* a,c armour fragment, ant. post. (see also Fol. 408 b,c) b vertebra within caudal sheath, proximal end. \*No. 19954 3 s.d. [? J. Dinkel del.]
- 408 † *Megatherium* r. clavicle, vent.: 1 s.d. P: *Phil. Trans. R. Soc.* 148 1858 pl.20 f.1 b,c † *Glyptodon* [*Panochthus tuberculatus*] outer & inner surfaces of armour fragment: 3 s.d. J. Dinkel del. (see also Fol. 407 a,b)
- 409 † *Glyptodon* [*Panochthus tuberculatus*]\* caudal sheaths: 2 s.d. J. Dinkel del. \*No. 19954
- 410 a,b *Dasypus* [*Priodontes*] *giganteus* fore & hind feet, vent. & lat.: 2 c.d. W.C. del. Annot.
- 411 a *Dasypus septemcinctus* submaxillary salivary gland & bladder diss. out: 1 p.d. R.O. del. b *Chlamyphorus* [*truncatus*] articulated skel. hind & fore-limbs; l. lat.: 2 p.d. P: Owen, R. *Anat. Verteb.* London 1866 2 f.275,277 c *Dasypus* [*Euphractus*] *sexcinctus* submaxillary salivary gland: 1 i. & wash d. R.O. del. d *Dasypus peba* [*novemcinctus*] head & submaxillary salivary gland diss. out, vent.: 1 p.d. R.O. del. c,d P: *Trans. zool. Soc. Lond.* 4 1853 pl.40 f.1,2 e,f *Dasypus* [*sexcinctus*] intestine & stomach: 2 p.d. R.O. del.
- 412 a i,ii † *Mylodon* iii,iv † *Megalonyx* v,vi † *Megatherium* vii,viii † *Scelidotherium* astragalus of each, proximal & distal: 8 p.d. b *Dasypus longicaudus* [*novemcinctus*] dors. & lumbar vertebrae: 1 p.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.49 f.18 c1 *Bradypus tridactylus* dors. & lumbar vertebrae: 1 i. & p.d. c2 *Dasypus* [*Tolypeutes*] *tricinctus* dors. & lumbar vertebrae: 1 w.d. P: *l.c.* pl.49 f.17,19 d top † *Scelidotherium*, ant. part skel. & lat.: 1 p.d. d1 † *Scelidotherium* d2 *Orycteropus* d3 [Dasypodid – unident.] d4 [*Myrmecophaga tridactyla*] d1–4 cervical & dorsal vertebrae of each, r. lat.: 1 lithograph (4f.) G.S. lith. P: Owen, R. *Zool. Voy. Beagle Pt 1* Lond 1838 pl.24
- 413 *Myrmecophaga jubata* [*tridactyla*] a 11th, 15th dorsal & 3rd lumbar vertebrae, ant. post.: 6 p.d. [J. Dinkel del. et lith.] P: *Phil. Trans. R. Soc.* 141 1851 pl.50 f.21–23 b 1st caudal vertebra, ant.: 1 s.d. [J. Dinkel del. et lith.] P: *l.c.* pl.53 f.60 c sacral vertebra, ant.: 1 i. & w.d. d 11th, 15th & 1st–3rd lumbar vertebrae, l. lat.: 1 p.d. J. Dinkel del. P: *l.c.* pl.49 f.20
- 414 *Myrmecophaga gigantea* [*tridactyla*] muscles of forearm diss.: 1 c.d. H. R. Silvester del. Annot.
- 415 a [*Myrmecophaga tridactyla*] heart, r. auricle diss.: 1 w.d. H. V. Carter del. Annot. b *Myrmecophaga* [*Cyclopes*] *didactylus* head, diss. to show salivary gland, l. lat.: 1 p.d. R.O. del. Annot. *Bradypus* [*Choloepus*] *didactylus* c skel.: 1 i. & w.d. J. C. Frank del. et lith. Annot. d muscles of upper hind limb diss.: 1 p. sketch R.O. del. Annot.
- 416 *Dugong* l. lat.: 1 c.d. Annot.
- 417 *Trichechus* a head, l. antero-lat.: 1 p. sketch. Annot. b whole animal, l. latero-vent.: 2 p. sketches Both R. Hills del. Both Annot. [Described by Sir E. Home in *Phil. Trans. R. Soc.* 111 1821: 390 pls 26–28]
- 418 a [? *Eotheroides aegyptiacum*] shells, tusk & cervical vertebrae in limestone matrix: 1 p. sketch Annot. b [Unident. ? part of same block as above] incomplete tusks in matrix of limestone: 1 p. sketch c,d *Dugong* lower & upper jaws, occ.: 2 p.d. Annot. e *Halicore indicus* [*Dugong dugon*], *Halichore australis* [*Dugong dugon*] 4 pp. of MS headed 'Comparison of adult male sk . . .'
- 419 † [*Halitherium*] a incisors, 4 views. Annot. b molar, lat. occ. c incomplete pelvis, 2 views including verso: 8 p.d. d incomplete sk. l. lat.: 1 p., i. & w.d. Annot. e,f axis vertebra, lat., ant., post.: 3 p. & w.d. f Annot. g lumbar vertebrae, 5 views h lumbar vertebra, ant. & post. i thoracic vertebra, ant. & lat.: 9 p.d. j † *Halitherium uyterhoeveni* disarticulated skel. dors.: 1 photo by E. Moire. Annot.
- 420 † *Prorastomus sirenoides*\* sk. of type specimen before it was developed a vent. b l. lat. c dors.: 7 rough p. & i. sketches, prelim. drawings for *Q. Jl geol. Soc. Lond.* 31 1875 pl.28 f.3,1,2 HOLOTYPE \*No. 44897
- 421 a,c *Monodon monoceros* r. lat. 2 w.d. b l. lat. 1 pen & wash sketch, Annot.
- 422 *Balaena* [*Balaenoptera musculus*] r. lat. of animal & skel.: 1 engr. (4f.) & description with measurements. G.S. del. et lith.
- 423 *Balaena boops* [*Megaptera novaeangliae*] a vent. surface, tail & penis: 3 wash d. W.C. del. Annot. b [*Physeter macrocephalus*] whole animal, l. lat.: 1 engr. Annot. c *Balaena mysticetus* stranded animal, l. lat.: 1 w.d. E. C. Blundell del.
- 424 a,c,d,f *Euphyseter macleani* [*Kogia breviceps*] mounted skel. l. antero-lat. post. l. & r. lat. lat. b [*Balaenoptera physalus*] mounted skel. of young, l. lat. Annot. e [*Balaenoptera*] ? occiput.

## Folio

- Annot. **g** *Balaenoptera*, *Physalus antarcticus* [*Balaenoptera physalus*] ♂, mouth propped open ant., Annot. 7 photos
- 425** **a,b** *Delphinus delphis* [*Tursiops truncatus*]: 2 c.d. autograph descr. **b** Annot. **c** [*Phocaena*] urethra: 1 i. sketch & autograph descr. **d** *Platanista* [*gangeticus*] *minor* sk. & m. r. lat.: 1 s.d. Annot. [HOLOTYPE of *P. minor* Owen 1853 *Descr. cat. osteological series . . . Royal College of Surgeons of England 2 Mammalia, Placentalia*. London p.9 R.C.S. No. 2481. Destroyed in 1939–1945 war]
- 426** **a** [*Physeter macrocephalus*] part of sk.: 1 p. sketch Annot. **b** [*Delphinus delphis*] lower jaw, l. lat. & occ.: 4 i. sketches. Annot. **c** sk. dors. & l. lat.: 2 i. sketches. Annot. **d** *Balaenoptera* petrotympenic, 2 views: 2 p.d. Annot. **e&h** [Cetacean unident.] occipital region & vomer: 2 i. sketches **f** [*Balaenoptera physalus*] occipital region: 1 p.d. F. F. Hasford del. Annot. **g** † *Zeuglodon* [*Basilosaurus*] tooth: 2 p. & i. sketches **i** *Ziphius* [*cavirostris*] part of snout: 2 p. & i. sketches. Annot.
- 427** [*Phocaena phocaena*] **a** head, sagittal section l. lat.: 1 i. sketch **b** head, sagittal section r. lat.: 1 w.d.
- 428** **a,b,d,e** [Small Balaenid – ? *Caperea*] fused cervical vertebrae, post. dors. ant. & vent.: 4 p.d. C. Galpin del. **c** *Balaena* fused cervical vertebrae, ant. vent.: 1 p.d. Annot.
- 429** **a,f** † [*Balaena*] occiput, **f** Annot. **b** [Small Balaenid] occiput, post. Annot. **c** [*Balaenoptera*] occiput **d** *Physalus antiquorum* [*Balaenoptera*] radius, lat. Annot. **e** [Cetacean] ? scapula, eroded: Annot. **g** [Balaenid] part of dors. vertebra, post. Annot. **h1** [Physeteridae: genus unident.] vomer, proximal end: Annot. **h2** [Cetacean] Annot. **i** [Unident ? Cetacean] ? scapula, dors. **j** [*Balaena*] caudal vertebra, lat. [? *Bos*] horn cores **k** [*Balaena*] lumbar vertebra, ant. Annot. **l** [Cetacean] maxilla, proximal end: Annot. **a–l** 12 photos
- 430** *Phascolomys* [*Vombatus ursinus*] sleeping specimen, r. lat. & ant.: 3 wash d.
- 431** *Phascolomys* [*Vombatus ursinus*] vent.: 1 wash d.
- 432** **a,d** *Phascolomys* [*Lasiorhinus*] *latifrons*\* humerus, 2 views:\* No. 1306 **b,e** *Phascolomys platyrhinus* [*Vombatus ursinus*]\* humerus, 2 views: \*No. 1496 **d**, 4 p.d. P: *Trans. zool. Soc. Lond.* **8** 1874 pl.72 f.1–4 **c,g** † *Phascolomys* [*Phascolonus*] *gigas* mandibular symphysis **c** post. **g** lat. Annot. 3 c.d. J. Erxleben del. **c** P: *l.c.* f.3 **f1** † *Phascolomys* [*Phascolonus*] *gigas* **f2** *Phascolomys vombatus* [*Vombatus ursinus*] lower jaws, occ.: 2 w.d. J. Erxleben del. Annot. P: *Phil. Trans. R. Soc.* **162** 1872 pl.39 f.1 **h** P. [*P.*] *gigas* & *Phascolomys vombatus* [*Vombatus ursinus*] mandibular symphyses, vent.: 2 c.d. J. Erxleben del. P: *l.c.* pl.39 f.2,4. Annot. [**c**, **f1**, **g** & **h** top all same specimen SYNTYPE current whereabouts unknown, see Mahoney, J. & Ride, W. D. L. 1975 p.61]
- 433** † *Phascolomys* [*Phascolonus*] *gigas*\* **a,b** r. m. & teeth, labial & lingual: 2 c.d. J. Erxleben del. P: *l.c.* pl.36 f.1,2 \*No. 43044
- 434** † *Phascolomys* [*Phascolonus*] *gigas*\* **a,b** m., occ. post.: 2 c.d. J. Erxleben del. P: *l.c.* pl.37 f.1; pl.38 f.1 \*No. 43044
- 435** † *Phascolomys* [*Phascolonus*] *gigas*\* **a** incisor, l. lat. & transverse section **b** r. ramus & teeth, l. lat. \*No. 35977 **c** upper tooth row, occ. Annot. **c** lower r. ramus, fractured surface, ant. post. \*No. 43044. 7 w.d. J. Erxleben del. P: *l.c.* pl.40 f.2,4,1; pl.32 f.2,3
- 436** **a** *Lagotis cuvieri* [*Lagidium viscaccia*] vertebrae, dors. & lumbar, lat. view: 1 p.d. *Phascolomys* [*Vombatus*] *ursinus* vertebrae, dors. & lumbar, dors. view: 5 s.d. P: *Phil. Trans. R. Soc.* **141** 1851 pl.46 f.10; pl.47 f.12 **b** *Thylacinus harrisi* [*cynocephalus*] sk. pal.: 1 s.d. H.S. del. P: *Trans. zool. Soc. Lond.* **2** 1841 pl.70 f.1 **c** [*Vombatus ursinus*] pelvis, sacral & caudal vertebrae: 1 wash d. H.S. del. P: Todd, R. B. *The Cyclopaedia of Anatomy . . .* Lond. 1835–59 **3** f.102
- 437** [*Phascolarctos cinereus*] sitting on a branch, l. lat. view: 1 p.d.
- 438** [*Phascolarctos fuscus* [*cinereus*]] **a** sk. & lower jaw, lat., pal. & sagittal: 4 s.d. H.S. del. P: *Trans. zool. Soc. Lond.* **2** 1841 pl.69 **b** pelvis & marsupial bones ventro-lat.: 2 w.d. H.S. del. P: Owen, R. *Anat. of Vertebrates*, Lond. 1866 **2** f.227 **c** [*Phascolarctos cinereus*] 1st 3 vertebrae, scapula & humerus: 3 p. & w.d. H.S. del. P: *l.c.* f.216,224,225
- 439** **a** † [*Thylacoleo carnifex*] l. lower incisor, l. & r. lat. occ. & lingual: 5 p. & wash d. J. Erxleben del. P: *Phil. Trans. R. Soc.* **161** 1871 pl.13 f.5–8 \*No. 42536 & Cast M 29478 **b** † *Thylacoleo* sk. reconstruction, l. lat.: 1 i. sketch R.O. del. **c** † [*Thylacoleo carnifex*]\* incomplete 1. m. ramus, ant. & restoration of mandible, ant.: 1 w. & i.d. & 1 i. sketch P: *l.c.* pl.13 f.3 SYNTYPE of *T. oweni* \*No. 39995 **d** † [*Thylacoleo carnifex*]\* cast of r. ramus, lingual, labial & post.: 3 i. sketches G. H. Barrow del. W. H. Wesley lith. P: *l.c.* **178 B** 1887 pl.1 f.1–3 Cast \*No. M 1957. Orig. specimen in A.M.S. No. F 53508 (B 2705). For further details see Mahoney & Ride 1975 : 53–57
- 440** **a** *Macropus major* [*giganteus*] l. innominate bone, l. lat.: 1 p.d. P: *l.c.* **174** 1883 pl.46 f.2 **b** † *Thy-*

## Folio

- lacleo carnifex*\*, *Diabolus ursinus* [*Sarcophilus harrisii*] l. innominate bones, l. lat.: 2 p.d. P: l.c. pl.46, f.1,4 Cast \*No. M 1523 c *Felis* [*Panthera*] *leo* l. innominate bone, l. lat.: 1 p.d. P: l.c. pl.46 f.3 d l. innominate bones of species on Fol. 440: lithograph of pl.46 l.c.
- 441 † [*Thylacoleo carnifex*]\* a l. maxilla, occ. P: l.c. pl.39 f.1 b r. m., lingual P: l.c. pl.41 c l. m., labial P: l.c. pl.41 Annot. d1,2,3 Cast of r. radius, lat. & end views P: l.c. pl.40 f.1–3 Cast \*No. M 1525. Original specimen in A.M.S. No. A 13294 (F 16472) d4 Casts of r. ulna & distal end P: l.c. pl.40 f.2,4. Cast \*No. M 1526 original in A.M.S. No. A 13293 (F 5465) d5 Cast of proximal end of l. ulna P: l.c. pl. 40 f.5 A.M.S. No. A 13305. [*Thylacoleo* [Marsupialia unident.]] e Casts of 3 ungual phalangeals, 6 views: top P: l.c. pl.40 f.6. Cast \*No. M 1526 A.M.S. No. A 13293 (F 5465) middle Cast \*M 1926 A.M.S. No. A 13318 bottom Cast \*M 1536. A.M.S. No. A 13320 f ungual phalangeal, 3 views top & left P: l.c. pl.40 f.7,8. Annot. HOLOTYPE of † *Myiodon australis* Krefft A.M.S. No. F7323 g lower m. occ.: P: l.c. pl.39 f.2. 18 p.d. G.B. del.
- 442 † *Diprotodon* [*australis*]\* a lower molars, occ.: 2 p. sketches R.O. del. Annot. b,f lower jaw, lat.: 2 p.d. f Annot. P: *Phil. Trans. R. Soc.* 160 1870 pl.35 f.1. \*No. 32851 c † *D. australis* & [*D. optatum*]\* m. symphysis & base of r. incisor, lat. & frontal; 2 rough i. sketches, Annot. After Owen, R. in Mitchell, T. L. *Three expeditions into the interior of eastern Australia* . . . London 1838, 2 pl.31. HOLOTYPE of both *D. australis* & *D. optatum* \*No. 10796. See Mahoney & Ride 1975 : 87 & 105. d † [*D. australis*] incomplete atlas vertebra, vent.: 1 i. sketch, Annot. e upper molars, lat. & occ.: 2 p. sketches. Annot. See Mahoney & Ride, 1975 : 87
- 443 a † *Diprotodon* l. upper molars in part of maxilla, l. lat. & occ.: 2 w.d. G.S. del. b † *Diprotodon* [*Dinotherium australe*] portion of l. ramus, lingual & occ.: 2 pen & wash d. ? T. L. Mitchell del. P: *Ann. Mag. nat. Hist.* 11 1843 : 329–330. Annot. HOLOTYPE – whereabouts unknown. [Mentioned – Mahoney & Ride 1975]
- 444 a † *Diprotodon* [*australis*]\* imperfect cranium, ant. & post. \*No. 32851: cervical vertebrae, lat., \*Nos 32852–4, axis No. 32870, scapula, \*No. 32861, humerus \*No. 32866 & femur. \*No. 32864 13 p.d. T. L. Mitchell del. Annot. vertebrae & scapula P: *Phil. Trans. R. Soc.* 160 1870 f.5 p.542 f.6 p.549. b † *Diprotodon* dors. vertebra, ant. & lat.: 2 p.d. H. Campbell del. Annot.
- 445 a † [*Palorchestes azael*]\* sk. l. lat.: 1 outline p.d. C. L. Griesbach del. P: l.c. 166 1876 pl.20. HOLOTYPE \*No. 46316 Annot. [See also Fol. 451] b † *Nototherium* [*Zygomaturus*] *victoriae* l. ramus, lingual: 1 s.d. J. Dinkel del. P: l.c. 162 1872 pl.7 f.2 Cast HOLOTYPE of *victoriae* \*No. M 3637 Original spec. S. Australian Mus. No. P4986
- 446 † *Nototherium* [*Diprotodon bennettii*\* Owen 1877] a r. lower incisor, lat. of longitudinal section: 1 p.d. C. L. Griesbach del. Annot. \*No. 46057a b autograph description of a e r. ramus, labial: 1 i. & wash d. Annot. c,d † *Nototherium zygomaturus* [*Zygomaturus trilobus*]\* sk. l. lat. & frontal: 2 i.d. Annot. HOLOTYPE of *trilobus* in A.M.S. No. F 4635. Cast \*No. 32850
- 447 † *Nototherium mitchelli*\* a,b r. ramus & teeth, lat. occ. & vent.: 4 c.d. G.S. del. P: l.c. 162 1872 pl.6. \*No. 43952 c r. lower molars, occ.: 1 s.d. J. Dinkel del. P: l.c. pl.10 f.3. Annot.
- 448 † *Nototherium mitchelli* [*Zygomaturus trilobus*]\* sk. & lower jaw, r. lat.: 1 i. & s.d. J. Dinkel del P: l.c. pl.2 f.1 \*No. 33259
- 449 [? *Macropus giganteus*] a whole animal, foot & detail l. lat.: 3 w.d. b *Macropus major* [*giganteus*] r. lat.: engr. P: Hawksworth, J. *Voyages* . . . Lond. 1773 3 pl.20. Annot.
- 450 † *Sthenurus brehus*\* a sk.: 4 p. & i. outline d. R.O. del. engr. by J. Erxleben P: *Phil. Trans. R. Soc.* 166 1876 pl.28 f.1–5. \*No. 44121 b palate & teeth, lat. & occ. 2 c.d. J. Erxleben del. P: l.c. 164 1874 pl.27 f.5,6 \*No. 43303 a SYNTYPE c1 † *Sthenurus atlas* r. ramus, occ. c2 † [*Macropus*] *titan* r. ramus, occ.: 2 p.d. P: l.c. pl.22 f.3,17 [see also Fol. 452] d † *Sthenurus brehus* l. lower incisor: 3 w.d. P: l.c. 166 1876 pl.28 f.4
- 451 † *Palorchestes azael*\* a sk. restored l. lat.: 1 outline i.d. P: l.c. pl.20 b palate & cheek teeth, pal : 1 s.d. P: l.c. 164 1874 pl.82 f.1 c palate, r. lat.: 1 s.d. P: l.c. pl.81 f.1. Annot. HOLOTYPE \*No. 46316 [see also Fol. 445]
- 452 a1 † [*Sthenurus atlas*] r. ramus, part, occ. a2 † [*Macropus titan*] r. ramus, part, occ.: 2 c.d. P: l.c. 164 1874 pl.22 f.3,17 [see also Fol. 450] b1 † *Macropus* [*Sthenurus*] *atlas* restored l. ramus, lingual HOLOTYPE \*No. M 10778 b2 † *Macropus titan*\* l. ramus, lingual: 2 p.d. R.O. del. P: l.c. pl.22 f.4,18. Annot. HOLOTYPE \*No. M 10777 c1 † *Sthenurus atlas* l. lower molar, occ. c2 † *Macropus titan* l. lower molar, occ.: 2 c.d. pl.20 f.30,29. Annot. d † *Sthenurus atlas*\* left: maxillary tooth row, 2 lat.: mandibular tooth row, occ. Annot. \*No. 45934 right: subjects as above. Annot. \*No. 40001 6 w.d. J. Erxleben del. P: l.c. pl.24 f.4–8
- 453 a [*Macropodidae* unident.] incisor, ant. & post. b † *Macropus titan* r. upper cheek teeth: Annot. P: Owen, R. *Res. fossil remains extinct mammals of Australia* Lond. 1877 pl.8 f.11 c,d † *Macropus*



## Folio

- titan* r. mandibular & maxillary tooth rows, occ.: P: *Phil. Trans. R. Soc.* **164** 1874 pl.23 f.13,3 e † *Sthenurus* sp. maxillary teeth, l. & occ. Annot. † *Sthenurus brehus* f molars 2 & 3 occ. Annot. g upper molars 1 & 2. Annot. h *Macropus rufus* tooth rows, lower & upper, occ. P: *l.c.* pl.21 f.2,4 † [*Protemnodon anak*]\* i maxillary tooth row, occ.: P: *l.c.* pl.23 f.8 j incomplete mandibular ramus & teeth, occ. & lat. P: *l.c.* pl.25 f.1,2. HOLOTYPE \*No. M 1895 k † [*Macropus titan*\* incomplete ramus & teeth, occ. & lat. P: *l.c.* pl.21 f.12–24. \*No. M 1894 l † *Procoptodon [Macropus] goliath* fragment of ramus & teeth, lat. r. occ. P: *l.c.* pl.80 f.8 a–l 20 w.d.
- 454 † *Macropus* a skel. r. lat.: 1 p.d. b *Macropus parryi* vertebrae, r. lat.: 1 p.d. P: *l.c.* **141** 1851 pl.47 f.13 c † *Macropus titan* part of m. & molars, l. lat. & occ.: 1 w.d. P: *l.c.* pl.26 f.9
- 455 a,b [*Vombatus ursinus* & *Macropus*] hearts, diss. to show chambers: 2 p.d. P: Owen, R. *Anat. of Vertebr.* Lond. 1868 3 p.519,518 c [*Macropus*] heart, to show vessels: 1 i.d. Annot. d *Macropus major [giganteus]* ♂ urinogenital system 1 wash d. e [*Macropus* or *Castor*] brain diss. lat.: 1 w.d. Annot.
- 456 a [Didelphidae] c [Vombatidae] f *Phascolarctos [cinereus]* g [Macropodidae] caecum of each 4 s.d. P: Todd, R. B. *The Cyclopaedia of Anatomy . . .* Lond. 1835–59 3 f.110 b *Phascologomys [Vombatus or Lasiorhinus]* & *Phascolarctos [cinereus]* glans penis: 2 p.d. P: Owen, R. *Anat. of Vertebr.* Lond. 1868 3 p.646 d,e *Phascolarctos [cinereus]* d ileo-caecal valve P: *l.c.* p.418 e liver P: *l.c.* p.482: 2 s.d.
- 457 [*Bettongia*] skel. lat.: 1 w.d.
- 458 *Hypsiprymnus myosurus [Potorous tridactylus]* mounted skel. r. lat.: 1 s.d. H.S. del.
- 459 a *Hypsiprymnus setosus [Bettongia penicillata]* sk. dors. pal. & l. lat.: 3 i. & w.d. H.S. del. part P: Owen, R. *Odontography* Lond. 1840–45 2 pl.100 f.7. Annot. b *Hypsiprymnus [Potorous]* ♂ urinogenital system: 1 w.d. T. R. Jones del. P: Owen, R. *Anat. of Vertebr.* Lond. 1868 3 f.503 c *Hypsiprymnodon moschatus* living specimen, lat. & frontal: 1 w.d. J. Wolf del. P: *Trans. Linn. Soc. Lond.* (2) Zool. 1 1879 pl.71 d *Hypsiprymnus [Potorous]* pelvis of young: 1 wash d. P: Todd, R. B. *The Cyclopaedia of Anatomy . . .* Lond. 1835–59 3 f.110 e *Hypsiprymnodon murinus [Potorous tridactylus]* sk. dors. pal. & l. lat.: 3 i. & s.d. H.S. del. Annot.
- 460 a [*Perameles [Macrotis] lagotis*] a top sk. & lower jaw, pal. & occ. P: Owen, R. *Anat. of Vertebr.* Lond. 1866 2 p.346 a lower *Thylacomys tenuirostris* [? *Macrotis lagotis*] sk. & lower jaw, l. lat.: P: Owen, R. *Odontography* Lond. 1840–45 2 pl.98 f.5, 3 d. b *Thylacomys longirostris [Macrotis lagotis]* sk. l. lat. & pal.: 2 p.d. R.O. del c *Thylacomys radiatus [Isoodon]* skel. l. lat.: 1 s.d. H.S. del. verso Annot.
- 461 a [Macropodidae] sk. pal.: 1 p.d. b *Phalangista vulpina [Trichosurus vulpecula]* muscles of leg: 1 p.d. P: Owen, R. *Anat. of Vertebr.* Lond. 1868 3 p.15 c *Perameles [bougainville]* sk. l. lat.: 1 i. outline d. Annot. Copy of d. P: Quoy, J. R. C. & Gaimard, J. P. 1824 *Voyage autour du Monde . . . l'Uranie et la Physicienne*. Paris. Zool. Atlas pl.5 d [*Cercartetus nanus*] sk. dors. skel. & sk. l. lat.: 3 p.d. H.S. del. e *Didelphis virginiana [Didelphis marsupialis]* vertebrae, 3 views: 3 w.d. P: Todd, R. B. *The Cyclopaedia of Anatomy . . .* Lond. 1835–59 3 f.100,101 f *Phascogale flavipes* alimentary canal: 1 w.d. P: *l.c.* f.122
- 462 a [? *Didelphis*] abdominal musculature & marsupial bones: 1 p. sketch W.C. del. b 'Spotted cavity' [? *Dinomys*] c *Petaurus pigmaeus [pygmaeus]* d,f [*Didelphis marsupialis virginianus*] All diss. of ♀ organs: b–d 3 p. & i.d. f 1 w.d. Annot. e [foetus, unident.] 1 i. sketch. Annot.
- 463 a † *Thylacotherium [Amphitherium prevostii]\** l. ramus with teeth, diss. to show roots: 1 w.d. P: *Trans. geol. Soc. Lond.* 6 1842 pl.5 f.3. Cast \*No. M 26243 Original in Oxford Univ. Mus. b as a Cast of l. ramus with teeth, lingual: 1 w.d. P: *l.c.* pl.5 f.1 Cast \*No. M 26244 Original in Oxford Univ. Mus. c † *Amphitherium [prevostii]\** r. ramus with teeth, labial: 1 w.d. R.O. del. Annot. Cast \*No. M 26242 of HOLOTYPE in Oxford Univ. Mus. Enlarged model \*No. M 5967 d *Myrmecobius [fasciatus]\** r. ramus, lingual: 1 w.d. \*No. 314b = 55.12.24.71 e † *Thylacotherium [Amphilestes broderipi]* l. ramus with teeth, lingual: 1 w.d. f † *Phascolotherium [bucklandi]\** r. ramus with teeth, lingual: 1 w.d. HOLOTYPE \*No. 112. All except c C. M. Curtis del. All P: Owen, R. *Hist. Brit. foss. mammals & birds* Lond. 1846 f.15–20
- 464 a † [*Triconodon [Trioracodon ferox]\**] r. ramus & teeth, r. lat.: 3 d. P: pl.3 f.14. \*No. 47774 b † [*Spalacotherium tricuspidentis]\** l. ramus & teeth, incomplete lat.: 2 p.d. P: pl.1 f.38. \*No.47750 c † [*Microlestes [Haramiya] moorei*] lower molars: 2 d. P: pl.1 f.8&8A. Bath Mus. No. M 222 d † [*Spalacotherium tricuspidentis]\** r. ramus with teeth, lat. & occ.: 5 p.d. P: pl.1 f.36,37. \*Nos 47749a & 47749b e [*Microlestes [Haramiya] moorei*] tooth, occ. & lat.: 2 d. P: pl.1 f.7&7A. Bath Mus. No. M 216 f † [*Spalacotherium tricuspidentis]\** l. m. ramus in block, l. lat.: 2 p.d. P: pl.1 f.35. \*No. 47748 g † [*Microlestes [Haramiya] moorei*] molar, occ.: 2 d. P: pl.1 f.6. LECTO-

## Folio

- TYPE Bath Mus. No. M 211. †[*Stereognathus ooliticus*]\* h m. fragment with teeth in matrix, lat. & occ.: 2 w.d. P: pl.1 f.27. HOLOTYPE in Inst. Geol. Sci. Lond. No. GMS 113834 Cast \*No. M 4000 i teeth of h, 3 views: 3 w.d. P: pl.1 f.29 j † [*Microlestes* [*Haramiya*] *moorei*] upper molar, labial: lower molars, occ. & lat.: upper canine, lat.: 7 d. P: pl.1 f.5,9-13. Bath Mus. Nos M 212, M 213, M 214, M 217 k † [*Spalacotherium tricuspiciens*]\* incomplete l. ramus & molars, lab. & occ.: 3 pen. p. & w.d. P: pl.1 f.32. HOLOTYPE \*No. 46019 l † [*Stereognathus ooliticus*]\* molar, lingual: 1 w.d. P: pl.1 f.28. HOLOTYPE see Fol. 464 h m [*Myrmecobius fasciatus*] upper & lower molars, occ.: 2 p.d. P: pl.1 f.19,20 n † [*Microlestes* [*Haramiya*] *moorei*] molar, 4 views: 4 p.d. P: pl.1 f.1-4. Bath Mus. No. M 215 o † [*Hypsiprymnopsis rhaeticus*] tooth, [? molar], lat.: 3 p.d. I. Phillips del. P: pl.1 f.16 Annot. [Specimen now lost.] p17 [*Hypsiprymnus murinus* [? *Potorous tridactylus*]] 4th lower premolar, lat. p18 [*Bettongia penicillata*] 4th lower premolar, lat.: 2 p. & i.d. P: pl.1 f.17,18. All A. T. Hollick del. except where otherwise stated. All P: Owen, R. *Monogr. fossil Mammalia . . . Mesozoic formations. Palaeontogr. Soc. (Monogr.)* 1871
- 465 a † *Peralestes longirostris* [*Phascolestes mustelula*]\* r. maxilla & teeth, r. lat.: 3 d. P: pl.2 f.3. \*No. 47740 HOLOTYPE of *P. longirostris* b † *Peraspalax* [*Amblotherium talpoides*]\* l. ramus, r. lat.: HOLOTYPE \*No. 47738 *Didelphis* [*Philander*] *opossum* lower molar, labial: 4 p.d. W.W. del. P: pl.2 f.9 c † *Amblotherium* [*Phascolestes*] *mustelula*\* r. ramus & teeth, l. lat.: 2 d. P: pl.2 f.2. \*No. 47753 HOLOTYPE of *P. mustelula* d † [*Achyrodon pusillus*] [*Amblotherium pusillum*]\* incomplete, ramus & teeth, r. lat.: 2 d. P: pl.2 f.8. HOLOTYPE of *A. pusillus* \*No. 47747 e † *Amblotherium soricinum* [*pusillum*]\* r. ramus & teeth, l. lat.: 3 d. P: pl.2 f.1. HOLOTYPE of *A. soricinum* \*No. 47752 f † *Achyrodon nanus* [*Amblotherium pusillum*]\* incomplete l. ramus & teeth, r. lat.: 3 d. P: pl.2 f.7. \*No. 47783 g † *Phascolestes dubius* incomplete r. ramus & teeth, l. lat.: 2 d. P: pl.1 f.41. \*No. 47737 h † *Achyrodon nanus* [*Amblotherium pusillum*]\* incomplete ramus & teeth, l. lingual: 2 d. P: pl.2 f.6 \*No. 47746 i † *Spalacotherium minus* [*Peramus tenuirostris*]\* l. ramus & teeth: l. lat.: 2 d. P: pl.1 f.39 (see also k). HOLOTYPE of † *Spalacotherium minus* \*No. 47751 j † *Achyrodon nanus* [*Amblotherium pusillum*]\* incomplete r. ramus, lat.: 2 d. P: pl.2 f.5. HOLOTYPE of † *Achyrodon nanus* \*No. 47745 k † *Spalacotherium minus* [*Peramus tenuirostris*]\* l. ramus with teeth, r. lat.: 2 d. P: pl.1 f.39. Annot. HOLOTYPE of † *Spalacotherium minus* \*No. 47751 (see also i) l † *Peralestes* (*Phascolestes*) *longirostris* [*Phascolestes mustelula*]\* incomplete l. ramus & teeth, l. lat.: 3 p.d. W.W. del. P: pl.2 f.4. Annot. \*No. 47741 All p.d. except b & l. All A. T. Hollick del. All P: *l.c.* See last line Fol. 464
- 466 † *Styloodon pusillus* [*Amblotherium pusillum*]\* a incomplete ramus & teeth, l. lat.: 2 d. P: pl.2 f.16. \*No. 47756 b incomplete l. ramus & teeth, l. lat.: 2 d. P: pl.3 f.3. \*No. 47761 c † *Styloodon* [*Kurtodon*] *pusillus*\* incomplete r. maxilla & teeth, l. lat.: P: pl.2 f.14. \*No. 47755 HOLOTYPE d † *Styloodon pusillus* [*Amblotherium nanum*]\* incomplete ramus & teeth, l. lat.: 2 d. P: pl.3 f.2. \*No. 47760 e † *Peramus minor* [? *tenuirostris*]\* incomplete ramus & teeth, r. lat.: 2 d. P: pl.2 f.13. \*No. 47754 HOLOTYPE of *P. minor* f † *Styloodon robustus* [*Amblotherium pusillum*]\* incomplete l. ramus & teeth, l. labial: 2 d. P: pl.3 f.1. \*No. 47762 HOLOTYPE of *S. robustus* g † *Peramus tenuirostris*\* incomplete l. ramus, l. labial: 2 d P: pl.2 f.12. \*No. 47744 h † *Styloodon pusillus* [*Amblotherium pusillum*]\* incomplete l. ramus & teeth, l. lat.: 2 d. P: pl.2 f.19. \*No. 47759 i † *Peramus tenuirostris*\* incomplete l. ramus & teeth, l. labial: 2 d. P: pl.2 f.11 \*No. 47743 j † *Styloodon pusillus* [*Amblotherium nanum*]\* incomplete ramus & teeth in matrix, l. lat.: 2 d. P: pl.2, f.18. \*No. 47758 k † *Peramus tenuirostris*\* incomplete l. ramus & teeth, l. lat.: 3 d. P: pl.2 f.10. HOLOTYPE \*No. 47742 l † *Styloodon pusillus* [*Amblotherium pusillum*]\* incomplete l. ramus with teeth, l. lat.: 2 d. P: pl.2 f.17. \*No. 47757. All p.d. All A. T. Hollick del. All P: *l.c.* See last line Fol. 464
- 467 a † [*Triconodon mordax* [*Trioracodon oweni*]]\* imperfect r. ramus, lingual: 2 d. P: pl.3 f.9. HOLOTYPE of *Trioracodon oweni* \*No. 47766 b † [*Triconodon*] imperfect ramus, lat.: 2 d. P: pl.3 f.16. \*No. 47769 c † *Triconodon mordax* [*Trioracodon ferox*]]\* imperfect ramus with teeth & tooth magnified, lat.: 2 d. P: pl.3 f.8. \*No. 47765. † [*Triconodon mordax*]\* d imperfect r. ramus with teeth, lat.: 2 d. P: pl.3 f.15. \*No. 47768 e l. ramus with teeth, l. lat.: 2 d. P: pl.3 f.7. HOLOTYPE \*No. 47764 f † *Triconodon* [*Trioracodon*] *ferox*\* imperfect ramus, l. lat.: 1 d. P: pl.3 f.13. \*No. 47777 a g † [*Bolodon crassidens* [*elongatus*]]\* teeth in matrix & teeth magnified, oblique & lat.: 3 d. P: pl.3 f.6. HOLOTYPE of *Bolodon elongatus* \*No. 47736 h † [*Triconodon* [*Trioracodon*] *ferox*]\* imperfect ramus & teeth, r. lat.: 1 d. P: pl. 3 f.12. \*No. 47776 i † [*Bolodon crassidens*]\* imperfect r. maxilla & teeth, r. lat. & occ.: 3 d. P: pl.3 f.5. HOLOTYPE \*No. 47735 j † *Triconodon* [*Trioracodon*] *ferox*\* l. ramus & teeth, M2 magnified, r. lat.: 3 d. P: pl.3 f.11. HOLOTYPE \*No. 47775 k † [*Leptocladus dubius* [*Peramus tenuirostris*]]\* imperfect ramus & teeth,

## Folio

- l. lat.: 2 d. P: pl.3 f.4. HOLOTYPE of *Leptocladus dubius* \*No. 47739 1 † *Triconodon mordax*\* imperfect r. ramus & teeth, r. lat.: 2 d. P: pl.3 f.10. \*No. 47767. All p.d. All A. T. Hollick del. All P: l.c. See last line Fol. 464
- 468 a † *Triconodon [Triaracodon] ferox*\* crushed sk. in matrix, enlarged upper tooth & l. & r. rami, general & lat.: 4 d. P: pl.4 f.1. \*No. 47781 b † [*Triacanthodon serrula* [*Triconodon mordax*]]\* r. ramus with teeth, r. lat.: 2 d. P: pl.4 f.7. HOLOTYPE of *T. serrula* \*No. 47763 a. (see also Fol. 469 j) c † [*Triconodon [mordax]*]\* imperfect r. ramus with teeth, lat.: 1 d. P: pl.3 f.21. \*No. 47768 d † [*Triconodon minor [mordax]*]\* incomplete ramus with teeth, teeth enlarged: 2 d. P: pl.4 f.6. HOLOTYPE of *T. minor* \*No. 47771 e † [*Triconodon* [Dryolestidae incertae sedis]]\* incomplete l. ramus with teeth, 1 tooth enlarged: 2 d. P: pl.3 f.20. \*No. 47770 f † [*Triconodon [mordax]*]\* part of r. maxilla with 2 molars, lat. & occ.: 4 d. P: pl.4 f.5. \*No. 47784 † [*Triconodon [Triaracodon] ferox*]\* g incomplete ramus with 2 teeth, l. lat.: 2 d. P: pl.3 f.19. \*No. 47780 h incomplete ramus with 1 tooth, l. lat.: 1 d. P: pl.4 f.4. \*No. 47773 i part of maxilla with teeth, tooth-row enlarged, lat. lingual & labial: 3 d. P: pl.3 f.18. \*No. 47778 j † [*Triconodon [Triaracodon] major*] incomplete l. ramus with teeth, r. lat.: 1 d. P: pl.4 f.3. HOLOTYPE \*No. 40722 k † [*Triconodon [Triaracodon] ferox*]\* incomplete maxilla with teeth, lingual: 2 d. P: pl.3 f.17. \*No. 47779 l † [*Triconodon occisor [Triaracodon ferox]*]\* incomplete lower rami with teeth in matrix, teeth enlarged, l. lat.: 3 d. P: pl.4 f.2. \*No. 47782 HOLOTYPE of *T. occisor* All p.d. All A. T. Hollick del. All P: l.c. See last line Fol. 464
- 469 a [*Rana boans* ? *catesbeiana*] part of small cranium, nat. size, l. lat.: 1 p.d. L.A. del. Annot. P: R.O. 1847 *Rep. Br. Ass. Advmt. Sci.* 1846 p. 213 b † *Leptolestes* incomplete ramus with teeth, lat.: 1 w.d. c1 † [*Triconodon mordax*]\* incomplete ramus with teeth in matrix, l. lat.: 1 w.d. P: pl.3 f.21. \*No. 47772 Annot. c2 † [*Palaeospalax magnus [Desmana moschata]*]\* incomplete l. ramus with teeth, l. lat.: 1 engr. P: Owen, R. *Hist. Brit. fossil mammals & birds* Lond. 1846 f.12. HOLOTYPE of *Palaeospalax* \*No. 16120 c3 [*Solenodon*] l. ramus with teeth, l. lat.: [R.O. del. L. Aldous engr.] 1 engr. Annot. P: Owen, R. *Odontography* 1840-45 pl.111 f.1 d † [*Plagiaulax becklesi*]\* incomplete r. ramus with teeth: 2 d. P: pl.4 f.11. HOLOTYPE \*No. 47731 (see also f) e † [*Plagiaulax [Ctenacodon] falconeri*]\* imperfect r. ramus with teeth, r. lat.: 2 d. P: pl.4 f.16. HOLOTYPE \*No. 47730 † [*Plagiaulax becklesi*]\* f imperfect r. ramus: 5 d. P: pl.4 f.10. HOLOTYPE \*No. 47731 (see also d) g fragment of l. ramus with teeth, l. lat.: 3 d. P: pl.4 f.15. \*No. 47734 h † [*Plagiaulax [Ctenacodon] minor*]\* imperfect r. ramus with teeth, lat. & occ.: 3 d. P: pl.4 f.9. HOLOTYPE \*No. 47729 [drawn before specimen damaged] i † [*Plagiaulax becklesi*]\* fragment of r. ramus with teeth, l. & r. lat.: 4 p.d. P: pl.4 f.13,14. \*No. 47732 d-i All A. T. Hollick del. j † [*Triacanthodon serrula [Triconodon mordax]*]\* l. ramus with teeth, l. lat.: 2 d. W. W. del. P: pl.4 f.8. HOLOTYPE of *T. serrula* \*No. 47763b [drawn before spec. developed] k † [*Plagiaulax becklesi*]\* fragment of ramus with teeth, lat. & occ.: 3 d. P: pl.4 f.12. \*No. 47733. All except b, c p.d. All except c P: Owen, R. *Res. fossil remains extinct mammals Australia* . . . Lond. 1877
- 470 a,b [*Ornithorhynchus anatinus*] dors. & vent.: 2 s.d.
- 471 [*Ornithorhynchus anatinus*] a tail, dors. & vent.: b complete animal, l. lat.: 3 c.d. Annot.
- 472 [*Ornithorhynchus anatinus*] a vent. diss. to show mammary tissue: 1 p.d. Annot. b hind foot & leg muscles: 1 p.d. c vent. diss. showing viscera: 1 p. & w.d. J. W. Lewin del.
- 473 *Ornithorhynchus paradoxus [anatinus]* a,e,g limb diss.: 3 p. sketches R.O. del. a,e Annot. b lower jaw & tongue complete, dors.: 1 w.d. c foot, vent.: 1 wash d. d diss. of pelvic girdle & caudal vertebrae: 1 p. & wash d. f young, frontal, lat. & vent.: 5 w.d. [T. R. Jones del.] P: *Trans. zool. Soc. Lond.* 1 1835 pl.32 f.1-5 h live animal in 5 positions 5 p.d. ? sketches for l.c. pl.34
- 474 *Echidna hystrix [Tachyglossus aculeatus]* with young in pouch, vent.: 1 c.d. J. Wolf del. P: *Phil. Trans. R. Soc.* 155 1865 pl.39
- 475 *Echidna hystrix [Tachyglossus aculeatus]* a,b parts of fore & hind limbs, diss. to show muscles c,d,e dissected impregnated uterus & uterine ovum: c-e 3 p.i. & w.d. P: *Ann. Mag. nat. Hist.* (5) 14 1884 pl.13. Annot. f *Echidna setosa [Tachyglossus setosus]* submaxillary salivary glands diss.: 1 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 3 p.397 g Top 1&2 † *Echidna [owenii]*\* Kreffft, 1868] fragment of r. humerus, 2 views; A.M.S. No. F 11017 \*Cast M 1908, HOLOTYPE of *E. owenii* & *E. gigantea* Roger 1887 [see Mahoney & Ride 1975 : 28] top 3 Thylacine [*Thylacinus*] metatarsal † top 4&5 † *Thylacoleo* 2 jaw fragments lower 1&3 *Echidna* recent [Tachyglossidae] imperfect femur A.M.S. No. F10888 lower 4&5 *Thylacoleo*? 2 bones. 1 photo (with inch scale) from A.M.S. *Tachyglossus* h half sk. sagittal: 1 p.d. i rostrum: 3 wash sketches j sk., lat. & 3 parts; 3 s & 1 p.d. P: l.c. 2 p.312 & *Rep. Br. Ass. Advmt. Sci.* 1846 [1847] p.198 f.12 k lumbar vertebra, 2 views: 2 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 2 p.316 f.200 l *Echidna*

## Folio

- setosa* [*Tachyglossus setosus*] ramus, fore & hind limb skel.: 3 p. & s.d. P: *loc. cit* 2 pp.312,325,328, f.197,207,210
- 476 1a-c † Moas [Dinornithiformes] 8 mounted skel. a frontal b lat. c dors. a-c 3 photos a P: Duff, R. *Pyramid Valley Waikari* . . . Christchurch, N.Z. 1949 p.9, shows Julius von Haast, founder of Canterbury Mus. with Glenmark skels in Canterbury (N.Z.) Mus. photo. by Dr. A. C. Barker.
- 477 † *Dinornis maximus*\* pl.79 femur & tarso-metatarsus pl.80 tibia: proofs of lithographs J. Dinkel del. P. Owen, R. *Mem. . . extinct wingless birds of N.Z. . .* Lond. 1878 pl.79,80. Casts \*No. A 161 SYNTYPES?
- 478 a 8 mounted skels from l. to r.: a1 † *Dinornis gracilis* [*novaezealandiae*] a2 † *Meionornis* [*Anomalopteryx*] *didiformis* a3 † *Meionornis* [*Emeus*] *casuarinus* a4 † *Palapteryx* [*Emeus*] *crassus* a5 † *Dinornis maximus* a6 † *Euryapteryx rheides* [? *gravipes*] a7 † *Palapteryx* [*Euryapteryx*] *elephantopus* a8 † *Euryapteryx gravipes* a3,a4,a7 frontal, all others lat.: 1 photo. Annot. b 7 mounted skels from l. to r.: b1 † *Dinornis* [*Emeus*] *crassus* b2 † [? *Dinornis ingens*] b3 [? *Apteryx*] b4 † *Dinornis* [*Anomalopteryx*] *didiformis* b5 † [? *Pachyornis* [*Euryapteryx*] *elephantopus*] b6 † [*Dinornis*] *robustus* [*ingens*] b7 † *Dinornis* [*Emeus*] *casuarinus* b4,b5,b6 frontal; others lat. 1 photo. Annot.
- 479 a *Dromaeius* [*Dromaius*], *Casuarinus* & *Rhea* b *Struthio* & † *Dinornis robustus* [*ingens*] All mounted skels lat.: 2 photos a,b Annot.
- 480 a,b,c † *Dinornis* [*Anomalopteryx*] *didiformis*, † *Dinornis gracilis* [*novaezealandiae*] † *Dinornis* [*Emeus*] *casuarinus* sk. dors. post. & lat.: 3 photos e,f,g † *Dinornis* [*Emeus*] *crassus*, † *Dinornis* [*Euryapteryx*] *elephantopus* sk. dors. post. & lat.: 3 photos d † [*Dinornis*] leg & foot, articulated: l. lat.: 1 photo.
- 481 a,b † *Dinornis maximus* frontal & r. lat.: 2 photos
- 482 a,b † *Dinornis* [*Emeus*] *casuarinus* mounted skel. r. lat. & frontal. Annot. c † *Meionornis* [*Emeus*] *casuarinus* mounted skel. frontal d † *Dinornis* [*Emeus*] *casuarinus* mounted skel. l. lat.: 4 photos
- 483 a,b † *Dinornis* [*Anomalopteryx*] *didiformis* mounted skel. frontal & r. lat. Annot. c,d † *Dinornis* [*Emeus*] *crassus* mounted skels, frontal & r. lat.: 4 photos. Annot.
- 484 a,b † *Dinornis giganteus* mounted skels, frontal & r. lat.: 2 photos. Annot.
- 485 a,d † *Palapteryx* [*Euryapteryx*] *elephantopus* mounted skels, frontal & r. lat.: 2 photos of specimens in Canterbury Mus. N.Z. b † *Dinornis* [*Euryapteryx*] *elephantopus* mounted skel. l. lat.: 1 photo. Annot. c † *Dinornis gracilis* [*novaezealandiae*] mounted skel. l. lat.: 1 photo. Annot.
- 486 a,b † *Dinornis robustus* [*ingens*] mounted skel. frontal & l. lat.: 2 photos. Annot.
- 487 † *Dinornis robustus* [*ingens*] a sacrum, sternum, fibula, ribs, toe with sole of foot b parts of skel. including sk., sternum, femur, ? tarso-metatarsus, ? pelvis c ischium, pubis, sternum & ribs of young: 3 photos. Annot.
- 488 † *Dinornis robustus* [*ingens*] a,c mounted skel. frontal & r. lat.: 2 photos. Annot. b skel. separated parts: 1 photo of 18 d.
- 489 a,b † *Dinornis ingens* tarso-metatarsus with integument: 2 photos by Burton Bros. Annot.
- 490 a † *Dinornis maximus*\* skel. l. lat.: 1 w.d. Annot. ? \*No. 46050 b † *Dinornis* [*Euryapteryx*] *elephantopus*\* skel. l. lat.: lithograph by J. Erxleben. Annot. P: *Trans. zool. Soc. Lond.* 4 1853 pl.46. \*No. A 3620 mixed individuals - tarso-metatarsus LECTOTYPE. [See Archey, G. 1941 : 36]
- 491 † *Dinornis rheides* [? *Emeus casuarinus*] sternum, a post.: 1 wash d. J. Erxleben del. P: *l.c.* 7 1870 pl.9 b,d r. lat. & frontal P: *l.c.* pl.8 f.2,1 c ant. border P: *l.c.* pl.9
- 492 a-c † *Dinornis* [*maximus*] cast of brain, lat. dors. & vent.: 3 i. outline d. prelim. sketches P: *l.c.* pl.45 f.11-13. Annot. d † *Dinornis rheides* [? *Emeus casuarinus*] sternum: 2 p. & i. outline sketches. R.O. del. Annot. e † *Dinornis* [*Euryapteryx*] *elephantopus* & *Struthio camelus* comparative dimensions of eggs: 1 i. outline d.
- 493 a [† *Dinornithiformes*] femur, ant. & post. (verso): 2 p.d. Annot. b † *Cnemiornis calcitrans*\* \*No. 46586. † *Aptornis* [*didiformis*]\* \*No. 21609. † *Dinornis geranoides* [*Euryapteryx pygmaeus*] femurs, frontal & proximal end view of each: 6 p.d. R.O. del. P: *l.c.* 5 1866 pl.65 c † *Cnemiornis* [*calcitrans*]\* \*No. 46587 tibia, fibula & humerus: 10 p.d. R.O. del. P: *l.c.* pl.66 [\*No. 46586 & 46587 SYNTYPES of *C. calcitrans*.]
- 494 † *Palapteryx geranoides*\* [*Euryapteryx pygmaeus*]\* a sk. fragments, nine views: 9 i. & w.d. R.O. del. P: *l.c.* 3 1848 pl.54 HOLOTYPE of *P.g.* \*No. 21687. Premaxilla & m. \*Nos 21693, 21694 b calvarium, upper surface: 1 wash d. P: *l.c.* pl.53 f.7. \*No. 21688 c † *Aptornis* [*otidiformis*]\* cranium, 6 views: 6 w.d. J. Erxleben del. P: *l.c.* pl.52. \*No. 21684
- 495 † *Dinornis* [*Megalapteryx*] *didinus*\* a,e r. foot, lat.: 2 c.d. P: *l.c.* 9 1883 pl.61, 60 HOLOTYPE

## Folio

- \*No. A 16 **b-d** † *Dinornis robustus* [*ingens*] r. foot, inner toe, proximal, vent. & lat.: 3 s.d. J. Dinkel del. P: *l.c.* 6 1868 pl.88
- 496 **a** † *Dinornis robustus* [*ingens*] & *Dromaius ater* [*diemianus*] skel. parts to show comparative sizes: 2 p. & wash d. R.O. del. **b** † *Porphyrio* & *Notornis* [*Porphyrio*] sk. & m. vent. dors. & lat.: 16 s. & i.d. [J. Dinkel del.] P: *l.c.* 3 1848 pl.56
- 497 **a,b** [*Apteryx*] mounted skel. l. lat. & r. fronto-lat.: 2 photos
- 498 [*Apteryx australis*] **a** brain, 3 diss. to show optic nerve, l. lat.: T. Godart del. 1848 P: *l.c.* 7 1871 pl.45 f.5; pl.46 f.1,2 **b** brain, vent. diss. P: *l.c.* pl.45 f.3,4 **c** tarso-metatarsus, post. & lat. R.O. del. **d** cloaca of ♂ **e,f** brain, 5 diss. P: *l.c.* pl.45 f.6-9 **g** brain in situ, dors. T. Godart del. P: *l.c.* pl.45 f.2 **h** wing defeathered: H.S. del. P: *l.c.* 2 1840 pl.47 f.4 **i** head of ♂, sagittal **j** head, diss. to show musculature, l. lat. P: *l.c.* 7 1871 pl.46 f.3,4 **k** brain, diss. to show olfactory nerves P: *l.c.* pl.45 f.1 **a-k** 17 p.i. & w.d.
- 499 [*Apteryx australis*] **a-b** lung, diss. to show air sacs **d** digestive system, diss.: 3 w.d. P: *l.c.* 2 1840 pl.51 **e** ♀ reproductive system 2 w.d. P: *l.c.* 3 1846 pl.36 **f** digestive urinary & reproductive organs of ♂ 2 c.d. P: *l.c.* 2 1840 pl.50. All H.S. del. **c** [*Giraffa*] gall bladder, diss.: 1 s.d. H.S. del. P: *l.c.* pl.42 f.4
- 500 [*Apteryx australis*] **a,c,d,f** muscles of feet: 4 p. & w.d. R.O. & H.S. del. P: *l.c.* 3 1846 pl.32,33 **b** spinal muscles of thoracic region: 1 w.d. P: *l.c.* pl.32 **e** sternum, ant. & post.: 1 p.i. & w.d. P: *l.c.* 2 1840 pl.55 f.2,3 **g** abdominal sacs: 1 p.w.d. P: *l.c.* pl.49
- 501 **a** [*Columba*] crop, inverted to show interior surfaces: 1 i. sketch. Annot. **b** *Rhea* & *Dromiceius* [*Dromaius*] skel. of thoracic region: 2 p. sketches **c** *Dromiceius* [*Dromaius*] intestines: 1 c.d. Annot.
- 502 † *Cnemiornis calcitrans*\* **a,d** mounted skel. r. latero-frontal: \*No. 75.12.15.1-33. **b,c** † *Cnemiornis* sternum & pelvis, frontal & lat.: 4 photos
- 503 † *Cnemiornis calcitrans*\* sk. **a** dors. & r. lat. **b** post. **c** pal. **d** r. lat.: 4 photos Annot. see *Trans. zool. Soc. Lond.* 9 1875 pl.35 f.1,5. \*No. 46575 SYNTYPE
- 504 **a,e** † *Notornis* [*Porphyrio*] *mantelli* [*mantelli*] mounted skel. frontal & l. lat.: 2 photos **b,f** † *Aptornis otidiformis* mounted skel. l. lat. & frontal: 2 photos **c** † *Aptornis* [*defossor*] tympanic bone, 3 views: 3 s.d. J. Dinkel del. P: *l.c.* 7 1871 pl.41 f.2,3,4 **d** † *Aptornis defossor*\* sk. r. lat.: prelim. p. sketch R.O. del. see *l.c.* pl.40 f.1 \*No. 46498 Annot. SYNTYPE
- 505 **a1,2** *Aquila* [*Uroaëtus*] *audax* terminal phalanges of foot: 6 d. Annot. **a1A,2,3A,4** *Circus assimilis* **b** † [*Harpagornis moorei*] **A&B** femur, distal & proximal articulating surfaces **C** part of pelvis. 3 d. **c1** † *Harpagornis moorei*\* \*No. 48056 Cast of HOLOTYPE **c2** † *Polyoætus* [*Polyharpagornis*] *leucogaster* **c3** *Circus assimilis* l. femur of each, post. **c1-3** 1 c. & 2 outline d. **a-b** All c. d. Annot. **c1** Original spec.. Fig. *Trans. N.Z. Inst.* 4 1872 pl.10 - HOLOTYPE
- 506 † *Dromornis australis*\* **a,d** r. femur, frontal & lat.: 2 photos, lithographs by J. Erxleben P: *Trans. zool. Soc. Lond.* 8 1874 pl.62,63. Cast \*No. 43960 A.M.S. No. F 10950 HOLOTYPE **b,c** sacrum, 3 views: 3 photos. Annot. \*No. 49160
- 507 *Struthio camelus* **a** sk. r. lat. to show elements: 1 c.d. **b** sacrum, l. lat.: 1 p.d. R.O. del. **c** disarticulated sk.: 1 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 2 p.43 **d** head & neck of ♀, r. lat.: 1 c.d. Annot. **e** hyoid bones: 1 p.d. **f** head & neck of ♂, fronto-lat.: 1 c.d. Annot.
- 508 **a,b** ? † *Aepyornis* mounted claws, r. lat.: 2 photos. Annot.
- 509 **a** [*Struthio*] pelvis & caudal vertebrae of newly hatched specimen, vent.: 1 p.d. R.O. del. **b** [*Corvus*] pelvis & caudal vertebrae of embryo rook: 1 p.d. R.O. del. P: *Phil. Trans. R. Soc.* 153 1863 pl.3 f.5,6
- 510 **a** [† *Archaeopteryx*, *Falco*, † *Pterodactylus*] leg & foot bones, lat.: 5 p.d. R.O. del. P: *l.c.* pl.3 f.1,3,4 **b** species as **a**, wing bones, lat.: 4 p.d. R.O. del. parts P: *l.c.* pl.2 f.1-4
- 511 **a** † *Odontopteryx toliapicus* [*tolipica*]\* parts of sk.: 8 outline p.d. R.O. del. **b** proof plates of a C. L. Griesbach lith. P: *Q. Jl geol. Soc. Lond.* 29 1873 pl.16 HOLOTYPE \*No. 44096
- 512 **a** † *Didus solitarius* 'Hooded Dodo' [*Raphus cucullatus*] l. lat.: 1 engr. Annot. **b** † [*Raphus cucullatus*] head, l. lat. of Ashmolean Mus. specimen: 1 w.d. W.C. del. P: Strickland, H. E. & Melville, A. G. *The Dodo* Lond. 1848 pl.5 f.2. Annot. **c,d** *Pezophaps solitaria* skels of ♂ & ♀ Cambridge Univ. specimens: l. lat.: 2 p.d. R.O. del.
- 513 **a** † [*Lithornis vulturinus*]\* sacrum, lat. & dors.: 3 p. & w.d. P: Owen, R. *Hist. Brit. fossil Mammals & Birds* Lond. 1846 p.553. \*No. 38933 **b** *Casuarius galeatus* [*casuarius*] mounted skel. r. lat.: 1 photo. **ca** † *Didus* [*Pezophaps solitaria*] **cb** Solitaire [? *P. solitaria*] **cc** † *Pezophaps* [*Raphus cucullatus*] femurs: 1 photo. by Farren **d** † *Didus solitarius* [*Pezophaps solitaria*] mounted skel. r. lat.: 1 photo. by L. Berenger Annot.

## Folio

- 514 [*Pelecanus*] sternum, leg & foot bones: 25 i. & wash d. R. Bezold del. Annot.
- 515 [*Pelecanus*] cranium, upper & lower m., scapulae, coracoid, clavicle & wing bones: 42 i. & wash d. R. Bezold del. Annot.
- 516 a [*Pelecanus*] cervical vertebrae: 2 w.d. G.S. del. ? Orig. d. for *Trans. zool. Soc. Lond.* 5 1840 pl.44 f.3 b left [*Crocodylus*] cervical vertebra: 1 engr. b centre *Aptenodytes patagonica* cervical & dors. vertebrae: 1 p.d. b right dors. vertebrae: 3 w.d. All [J. Dinkel del.] All P: *Phil. Trans. R. Soc.* 141 1851 pl.52 f.52,48-51
- 517 a [Coraciiformes - Kingfisher - unident.] foot: 1 p.d. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 2 p.11 b [Caprimulgiformes - ? Nightjar - unident.] foot; 1 p.d. Annot. c [*Colymbus* [*Gavia*]] pelvis & hind limb skel. l. lat.: 1 p.d. Annot. P: *l.c.* p.78 d [*Struthio*] young skull, dors.: 1 p.d. Annot. P: *l.c.* p.51 e [Psittaciformes - Parrot - unident.] sk. r. lat.: 1 p.d. Annot. P: *l.c.* p.51 f [*Numida*] beak & eye, l. lat.: 1 p.d. P: *l.c.* p.10 g [*Calyptorhynchus*] sk. r. lat.: 1 p. & w.d. Annot. P: Owen, R. *On the Archetype . . . of the vertebrate skel.* Lond. 1848 pl.1 f.1 h [Psittaciformes - unident.] sk. showing elements, l. lat.: 1 p.d. L. A. del. Annot. i [*Dromaius* [*Dromaius*]] sk. showing elements, r. lat.: 1 p.i. & wash d. Annot. P: Owen, R. *Anat. of Vertebrates* Lond. 1866 2 p.52 j [*Struthio*] sl. showing elements, vent.: 1 p.d. Annot. P: *l.c.* p.44 k † [*Halcyornis toliapicus*]\* cranium, dors. lat. post.: 3 p.d. P: Owen, R. *Hist. Brit. fossil mammals & birds.* Lond. 1846 f.234 A & B, 235. HOLOTYPE \*No. A 130 I 3 crania I A, B † [*Halcyornis toliapicus*]\* dors. & post. HOLOTYPE \*A 130 I C [*Larus*] dors. I DE, [Coraciiformes, Kingfisher, unident.] dors. & post. 1 lithograph (5 f.) P: *l.c.* f.234 m [*Numenius*] head & foot, l. lat.: 2 p.d. Annot. P: *l.c.* p.9 n [*Struthio*] foot, l. lat.: 1 p.d. P: *l.c.* p.13 o [Passerine, unident.] foot, l. lat.: 1 p.d. P: *l.c.* p.10 p [Piciformes, Woodpecker, unident.] foot, l. lat.: 1 p.d. P: *l.c.* p.11 m-p 4 p.d.
- 518 a [*Columba*] embryo, 8th day of incubation: 1 w.d. R.O. del. b [? Aves - unident.] postero-vent. diss. to show musculature: 5 c.d. Annot. c *Ardea argala* [*Leptoptilus dubius*] foot tendons: 1 p. sketch d [*Aquila*] brain lat. ventricles, ant. commissure: 1 w.d. e *Rallus aquaticus* urino-genital system & section of l. side of pelvis: 1 p. & 1 w.d. J. Erxleben del. Annot. f [*Ramphastos*] tail muscles: 2 p. sketches g [*Anas*] diss. urino-genital system of ♀: 2 c.d. Annot.
- 519 a [*Dacelo* [*Lacedo pulchella*]] living specimen on branch, r. lat. & bill, dors.: 2 p.d. W. Taylor del. P: Horsfield, T. *Zool. Res. in Java* Lond. 1821 coloured pl. p.419 in B.M.(N.H.) copy b1, b2 [Aves - unident.] 2 heads with necks diss.: 2 p.d. c *Vultur leucocephalus* [*Neophron percnopterus*] head, r. lat.: 1 w.d. Annot. d *Vultur* [*Neophron*] *percnopterus percnopterus* frontal: 1 p.d. Annot. e [*Apus*] head, l. lat. showing distended pouch: 1 s.d. J. D. C. S. del.
- 520 [*Gallus* domestic] with spur growing from head a l. lat. b head of same: 2 c.d. W. H. Clift del. Annot.
- 521 a *Delphinus delphis* dors. vertebrae 1-11, l. lat.: 1 s.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.48 f.16 b *Delphinus* [*Orcaella brevirostris*] sk. l. lat.: 1 p.i. & wash d. c ? *Grampus* [*griseus*] or *Pseudorca* tooth: 1 wash d. Annot. d *Delphinus* [*Orcaella brevirostris*] sk. parts numbered, lat.: 1 i. outline d. ? original sketch for P: *Trans. zool. Soc. Lond.* 6 1866 pl.9 f.3 e *Delphinus tursio* [*Tursiops truncatus*] 5 dors. vertebrae, dors.: 1 s.d. P: *Phil. Trans. R. Soc.* 141 1851 pl.48 f.15
- 522 † Megathere [*Megatherium*] articulated skel. l. lat.: i. & w.d. mounted on board for exhibition at B.M.(N.H.) Annot. P: Edwards, W. N. *Guide to an exhibition illust. early hist. of palaeontology* \*Special guide No. 8. 1931
- 523 † *Diprotodon australis* skel. l. lat.: 1 p. & i. outline d. [R.O. del.] ? original for P: *Phil. Trans. R. Soc.* 160 1870 pl.50

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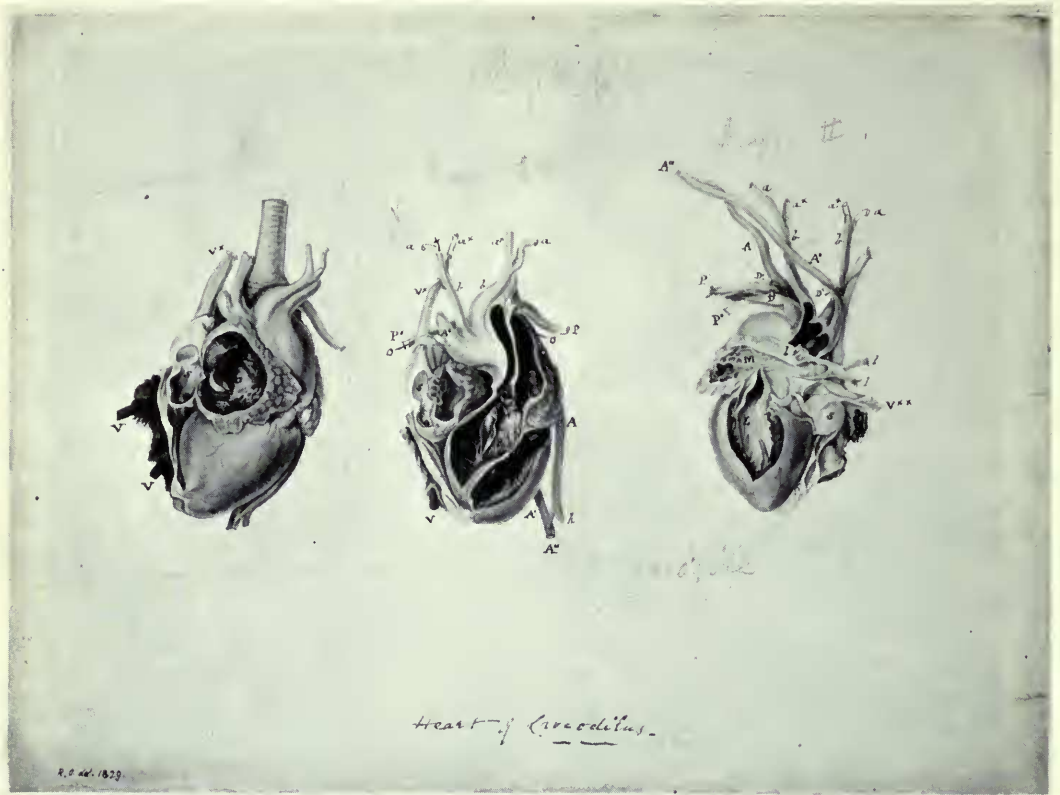


Some of Owen's medals preserved in the Museum.





Sheen Lodge, Richmond Park, Owen's home from 1852-1892. Rear view taken from the garden beyond the park wall.



Crocodile heart dissected and delicately illustrated in pencil and water colour by Richard Owen in 1829. Folio 192.

*Plan of the Right Auricle.*



A. Right (pulmonic) Auricle.

1. Sinus of  $d^o$ .
2. Right cephalo-brachial vein.
3. 3. Orifice & trunk of left  $d^o$ .
4. 4. Orifices and banks of Superior vena.
5. 5. Opening of the Sinus and its two valves.

*Plan of the Right Ventricle.*



A. Pulmonic Auricle

1. Its orifice into the Ventricle and two valves.

B. Pulmonic ventricle.

1. Pulmonary artery guarded by two valves.
2. 2. Right and left pulmonary arteries, in bundles in  $\gamma$  form.
3. 3. Pulmonic or Umbilical aorta.
4. 4. Branch anastomosing with systemic aorta.
5. 5. The remainder of Pulmonic aorta to the Stomach, Liver, Spleen, pancreas, &c.
6. systemic aorta.
7. 7. Descending branch of  $d^o$ .
8. 8. Right cephalo-brachial art?
9. 9. Left  $d^o$ .

Some of the manuscript notes and drawings made by Owen in ink and associated on Folio 192 with the water colour illustrations opposite.